Learning From Home Take-home Pack



Term 4 | Weeks 1-3 2021



Week 1	Monday 4 th October	Tuesday 5 th October	Wednesday 6 th October	Thursday 7 th October	Friday 8 th October	
Morning Muster		9:00am: Attendance Form 9:15am: Teams Meetin		g > Daily assignment info/Q&A, teacher messages & check		
ENGLISH	PUBLIC	PUBLIC Imaginative Texts: Character		Imaginative Texts: Character		
MATHS	HOLIDAY	Whole Numbers	Mathletics 5 assigned activities Investigation	Whole N	lumbers	
OTHER		PDHPE & Creative Arts Matrix of activities	Science Physical World: Forces	WEDNESDAY: 12:00pm – 3:00pm Teachers Offline		
Week 2	Monday Tuesday 11 th October 12 th October		Wednesday 13 th October	Thursday 14 th October	Friday 15 th October	
Morning Muster	9:00am: Attendance	e Form 9:15am:	Teams Meeting ➤ Daily as	ssignment info/Q&A, teacher	messages & check-in.	
ENGLISH	Imaginative Te	exts: Character	Grammar with Mr H. Reading Eggspress 2 Lessons & Assignments	Imaginative Te	exts: Character	
MATHS	Ar	ea	Mathletics 5 assigned activities Investigation	Ar	ea	
ОТНЕК	PDHPE & Creative Arts Matrix of activities	Science Physical World: Forces	WEDNESDAY: 12:00pm-3:00	pm Teachers Offline 12pm Y	ears 3-6 Assembly via Zoom	



Week 3	Monday 18 th October	Tuesday 19 th October	Wednesday 20 th October	Thursday 21 st October	Friday 22 nd October		
Morning Muster	9:00am: Attendance	e Form 9:15am:	Teams Meeting ➤ Daily as	assignment info/Q&A, teacher messages & check-in.			
ENGLISH	Imaginative Te	exts: Character	Grammar with Mr H. Reading Eggspress 2 Lessons & Assignments	Imaginative Texts: Character			
MATHS	Perir	meter	Mathletics 5 assigned activities Investigation	Perimeter			
OTHER	PDHPE & Creative Arts Matrix of activities	Science Physical World: Forces	WEDNESDAY: 12:00pm-3:00pm Teachers Offline				

Have internet access and still looking for more?

Learning from Home Hub
Everyday Maths Hub
Wellbeing

ePlatform Storybox Library NRICH MATHS ** Tasks written in **GREEN** are to be given priority over other tasks **

WEEK 1 English



OVERVIEW & RESOURCES

1

English learning sequence – CHARACTER

Learning sequence description

Character is an important concept in narrative as a driver of the action, a function in the plot, a way of engaging or positioning a reader or as a way of representing its thematic concerns. The way character is read is an indication of particular approaches to texts, be it through personal engagement or critical response. Through the objectives of reading and viewing, writing and responding, speaking and listening, this sequence of lessons aims to introduce the concept of character and explore how conventions work in a range of texts to invite creative writing and responding.

The School Magazine has provided digital and non-digital texts for students to explore. This is licenced under CreativeCommons, Non-commercial and NoDerivatives.

Syllabus outcomes and content

EN3-3A - uses an integrated range of skills, strategies and knowledge to read, view and comprehend a wide range of texts in different media and technologies

- understand, interpret and experiment with sound devices and imagery, including simile, metaphor and personification, in narratives, shape poetry, songs, anthems and odes
- analyse and evaluate the way that inference is used in a text to build understanding in imaginative, informative and persuasive texts

EN3-5B - discusses how language is used to achieve a widening range of purposes for a widening range of audiences and contexts

 identify the ways in which language use in imaginative texts, including use of figurative language, character development, events and setting, creates interest for the reader or viewer

EN3-7C - Thinks imaginatively, creatively, interpretively and critically about information and ideas and identifies connections between texts when responding to and composing texts

- interpret events, situations and characters in texts
- create literary texts that adapt or combine aspects of texts students have experienced in innovative ways
- experiment with others' imaginative texts by changing aspects such as place, characters, rhythm, mood, sound effects and dialogue

<u>English K-10 Syllabus</u> © 2012 NSW Education Standards Authority (NESA) for and on behalf of the Crown in right of the State of New South Wales.

Other aspects of English

Independent Reading

It is expected that all students engage in independent reading daily. This should include a text that is of an appropriate instructional level. This may include picture books, comics, newspapers, levelled texts, novels. Re-reading a familiar text is encouraged.

Spelling

This two-week sequence of learning does not include spelling however it will provide students with opportunities to practice and refine their skills and knowledge of, spelling.

Handwriting and word processing skills

This two-week learning sequence provides opportunities to practise handwriting and keyboarding skills but does not include explicit instruction or assessment. These opportunities allow students to increase speed, accuracy and fluency to compose and edit texts. Students will become increasingly confident, proficient and flexible with keyboarding.

Recording your learning

Use the digital version of the workbook included in the Teams assignment otherwise the student workbook can be printed to provide an offline version. If you have collected/received the takehome pack then use that. The digital version is preferred.

Schedule of Lessons							
Monday Tuesday Wednesday Thursday Frida							
WEEK 1							
Public Holiday	Lesson 1	Grammar with Mr H	Lesson 2	Lesson 3			
		WEEK 2					
Lesson 4	Lesson 4 feedback edits	Grammar with Mr H	Lesson 5	Lesson 6			
WEEK 3							
Lesson 7	Lesson 8	Grammar with Mr H	Lesson 9	Lesson 10			

RESOURCES

Transcript of Character

Erin – Hey Mr. Cranna!

Mahdi – What are you doing?

Mr Cranna – Drawing a new character for my comic. [Mr Cranna turns around notepad to reveal image of a volcano]

Erin -Oh, let's see.

Mahdi – Your new character's a volcano? I thought characters have to be human.

Mr Cranna – Actually, the concept of character can be a fictional person or idea. So long as you give your character an identity. That means a personality, wants, emotions, and feelings. So a fictional character could be a volcano, or, a disgruntled lobster! [draws lobster on page]

[Erin turns into a lobster with pincer hands and lobster head]

Erin – Ugh, what's with these pincers? They're not good for anything!

Mr Cranna – Characters are important because what happens to them and what they do drive the action in a narrative. They have to want something, or need to do something, and then set about trying to achieve, or obtain, that goal.

Mahdi – I still don't get how a character doesn't have to be human. Aren't you supposed to be able to connect with a character? I mean, I definitely don't connect with a shellfish.

Mr Cranna – Well, what if you knew she had a goal? She's been training for months to become the world's greatest hairdresser.

Mahdi – You wanna be a hairdresser too?

Mr Cranna – But she's finding it tough to get clients because no one wants to get the hair cut by a crustacean.

Erin – Why does nobody wanna be friends with me?

Mahdi – I find it hard to make friends sometimes too. Hang on! I've got an idea. Why don't we become friends and open a hairdressing salon together?

Erin – Yay!

Mr Cranna – Still think you can't connect with a crustacean character?

Mahdi – Wow, how did that happen? To begin with, I didn't care about the lobster, but now she's my bestie.

Mr Cranna – You were able to connect with the lobster when I gave her some characteristics. I told you what her goal was, and what the problem she was facing. Goals and flaws are important, because they allow us to connect with a character on an emotional level. Hmm, it's got me thinking. I need to give my volcano a want, and a motivation.

Erin – Yeah, so we can connect with it.

Mr Cranna – I know, maybe the volcano is kind, and wants animals to live on it. But it gets angry when the animals keep littering on the volcano. So it gets mad, and boom! Blows it's top.

End of transcript



'The Most Boring Street in the World'



Story by Bill Nagelkerke, illustrated by Tohby Riddle

He looked one way. Then he looked the other. 'This has to be the most boring street in the world,' he muttered to himself.

A voice at his shoulder surprised him by saying: 'No, it isn't!'

The voice belonged to a girl. 'I'm Jade,' she said. 'I live two houses down. I saw you when you moved in last weekend. What you said isn't true, you know. We live on a very interesting street.'

'Yeah, right!' said Austin. 'It's nowhere near a mall. It's not on a bus route. There's no skate park. And everything's old. What's there to do? A great big fat nothing. BORING!'

Jade looked at him. 'Come with me to the end of our street,' she said. 'I might be able to change your mind.'

'Not likely,' said Austin.

But he had nothing better to do, so he followed Jade anyway. Two houses down he saw a parked car with a trailer attached. Big letters on the back of the trailer said: DIG THIS! GARDENING SERVICES.

'My mum looks after other people's gardens,' Jade explained.

The end of their street joined up with more streets.

'Well?' said Austin 'What's there to see?'

'Look up there,' Jade told him.

Austin looked up. The sky was blue. Clouds drifted overhead. Everything was exactly the same as it had been all during the long summer holidays.

'No, not up as high as that,' said Jade. 'There.'

'There' was a lamppost with signs of the street names attached.

'I don't get it,' said Austin.

'Our street is called Meteor Street.' Jade said.

'So?'

'Some people say The Meteor was the name of a ship,' Jade continued. 'But not just any old ship.'

She paused. Austin took the bait.

'What sort of ship was it then?'

Jade lowered her voice so Austin had to bend forward to hear her reply.

'Some people say it was a pirate ship.'

'Oh,' said Austin, showing a glimmer of interest. 'For real?'

'That's what some people say. Now, what's the name of that street?'

Austin read the sign. 'Skeleton Bay Road.'

Jade nodded. 'Exactly. That road goes all the way to Skeleton Bay. Some people say The Meteor was scuttled in the bay.'

'Scuttled?' asked Austin.

'Sunk,' said Jade. 'By its pirate crew. Some people say the crew mutinied because their captain went back on his word to share out the stolen treasure.'

'Treasure?' said Austin.

'Gold coins, precious stones, necklaces, rings. All sorts.'

'And it's still there?' said Austin, excitement creeping into his voice. 'In Skeleton Bay?'

Jade shook her head. 'Way better than that,' she said. 'Only the old bones of the ship are still in the bay. Whenever there's a storm at sea, some people say you can hear the timbers of The Meteor rattling and groaning, like the voices of ghosts. You see, the story goes that when the crew came to demand their share of the treasure, they discovered the

captain had escaped ashore in the longboat, taking the treasure with him. They scuttled his ship in revenge.'

'But what happened to the treasure?' asked Austin. 'Did the captain get away with it, or did his crew track him down?'

Jade pointed to another street sign. 'What does that one say?'

'Sunset Way,' Austin read.

'And what colour is a sunset?' asked Jade.

'Gold,' said Austin, thinking about it. 'Or sometimes red. Sometimes orange as well. Lots of colours.'

'The colours of treasure,' said Jade. 'Some people say that the captain buried it along Sunset Way.'

'But only old people live on that street,' Austin said. 'I've seen them.'

'They do now,' Jade agreed. 'But back in those days there was no street there at all. The captain meant to come back for the treasure, but ...'

At this point, Jade paused dramatically.

'His crew did track him down,' Austin finished.

Jade didn't say a word. She didn't need to.

'Did anyone ever find the treasure?' Austin asked.

'Don't talk so loudly,' Jade said. 'We don't want the whole world to hear. Some people say it would have been found years ago, but no-one knows for sure. It might still be here. Every chance I get, I dig and I dig. But nobody really wants you to leave holes all over their garden, so I have to pretend I'm grubbing out weeds. It takes forever, and I can only treasure-hunt in the holidays.'

'I guess I could help you,' said Austin. 'But we'd have to split any treasure we find, fifty-fifty.'

Jade nodded. 'I'm cool with that,' she said.

'When shall we start?' asked Austin.

'Tomorrow, if you like.'

'You're on,' said Austin.

They went back up Meteor Street together.

'See you tomorrow then,' Jade said, as she went up her driveway.

'I can't wait!' Austin replied.

* * *

Jade's mum met her at the door.

'Was that the new boy?' she asked.

'His name's Austin,' said Jade. 'I think we might be friends.'

'Nice one,' said Jade's mum. 'It's been pretty dull for you on the street with no other kids your age around.'

'He thought our street was the most boring street in the world,' Jade explained. 'So I told him the story behind the street names.'

'Which story?' asked Jade's mum. 'The one about the captain's treasure, or the dinosaur bone discovery, or the UFO sighting?'

'The captain's treasure, of course,' said Jade. 'That's the best of the lot. But I might tell him the others if he ever gets bored again. After all, any one of them could be true. Not even the old people on Sunset Way know for sure.'

'Hmm,' said Jade's mum.

'We're going to meet up again tomorrow,' Jade said.

'I'm paying you to help tidy Mrs Domanski's garden tomorrow,' Jade's mum reminded her.

'I haven't forgotten,' said Jade. 'Austin's going to come along and do some digging too. And we've agreed to split the treasure—my pay, I mean—fifty-fifty.'

My Record of Texts

'Texts' includes sound, print, film, digital and multimedia. It's the way we communicate. So that means it can be a book, text message, podcast, play, website and even a movie. When we talk about text, it could be any of these communications.

Record the title of each text you engage with over the next three weeks. If it is a novel, you might like to record each chapter title.

	Record of Texts								
Date	Title	Type of text	Independent or shared	Notes					
1 April	The Barber Shop Scissor Twister	comic	Shared with dad	I recommend this comic because it is funny. Dad did funny voices.					

MONDAY 4th October 2021



PUBLIC HOLIDAY

TUESDAY

5th October 2021



Lesson 1 – What is character?

Students are learning to:

- identify the ways in which character development creates interest for the reader or viewer
- make connections between their own experiences and those of characters and events represented in texts.

Learning experience	Resources
Speaking and listening Students find an object and come up with a list of as many unconventional uses	
for it as they can. Explain the unconventional uses to an adult and/or as a video recording	
Reading and viewing	
Students view the short video about character.	
Students answer the following questions in their student workbook-	Resource 1 –
What is character?	character video
Are characters essential to texts?	Resource 2 –
What traits does a character need in order to drive or influence the actions in a narrative?	Student workbook
Students complete 'character video' activity in student workbook.	
 interprets the function of the chosen character to the text identifies the character development that caused them to connect personally with the character. Students think of a character they have connected with in a visual or written text (movie, book, TV show, song, poem etc.). Students explain why they connected with that character by identifying the character's goals, strengths and weaknesses, what problem they are trying to solve and what made them relatable. 	Resource 2 – Student workbook (DOCX 1.7MB)
Students also describe the appearance, behaviour, personality of the character they connect with.	
Student complete 'connection to character' in student workbook.	
Reflection Students to discuss the following questions with an adult or their class online. How has my understanding of character changed? How will knowing this help me to understand and develop texts?	

Lesson 1

During this lesson you will learn to:

- identify the ways in which character development creates interest for the reader or viewer
- make connections between your own experiences and those of characters and events represented in texts.

1.1 Speaking and listening

- Find an object and come up with a list of as many unconventional uses for it as they can.
- Explain the unconventional uses to an adult.
- For example: a ruler. Unconventional used could include a back scratcher, bookmarks, paint stirrer, garden sticks, puppet.

After reading the transcript of the video on character (look in the RESOURCES section,

1.2 What is 'Character'?

located at the beginning of the week's work), answer the following questions:
What is character?
How are characters essential to texts?

What traits does a character need in order to drive or influence the actions in a narrative?

1.3 Connection to character

Think	of a character you	have connected	d with in a	a visual o	or written	text (mo	ovie, I	book, ⁻	ΓV
show,	song, poem etc.).								

Explain why you connected with that character by identifying the following:
Character's goals
Strengths and weaknesses
What problem are they trying to solve?
What made them relatable?

Thinking of the character you have connected with, describe the following:
Appearance of the character
Behaviour of the character
Personality of the character
Draw the character:

1.4 Reflection

Discuss with an adult or your class online:

How has my understanding of character changed?

How will knowing this help me to understand and develop texts?



PRIMES, COMPOSITES AND FACTORS

Tuesday Week 1 Term 4

Learning Intention: Success Criteria:

To understand how whole numbers can be broken up into prime factors

- Identify and describe prime numbers
- Identify and describe composite numbers
- Factorise whole numbers into composite and prime numbers.

What is a prime number?

What is a composite number?

A prime number is a whole number that can only be divided by 1 and itself. E.g. 7
The only whole numbers that can divide into 7 are 1

and 7.

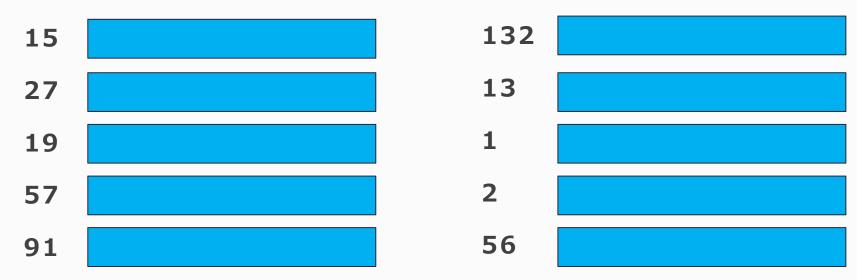
A composite number is a whole number that can be divided by more (or less*) whole numbers than 1 and itself. E.g. 8

8 can be divided by 1, 2, 4, and 8.

*1 is not a prime number because 1 and itself is the same number so only gets counted once.

Write whether the following numbers are prime or composite

Write prime or composite in the blue boxes



Follow the instructions to help find all the prime numbers.

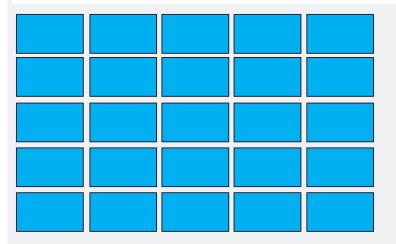
The Sieve of Eratosthenes

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Find all the prime numbers in the hundred grid below. (Do not shade the number itself as it is not a multiple.)

- **a** Cross out 1 since it is not prime.
- **c** Shade all the multiples of 3.
- e Shade all the multiples of 7.

- **b** Shade all the multiples of 2.
- **d** Shade all the multiples of 5.
- **f** The remaining numbers are prime numbers, apart from 1 which is a special case. List them:



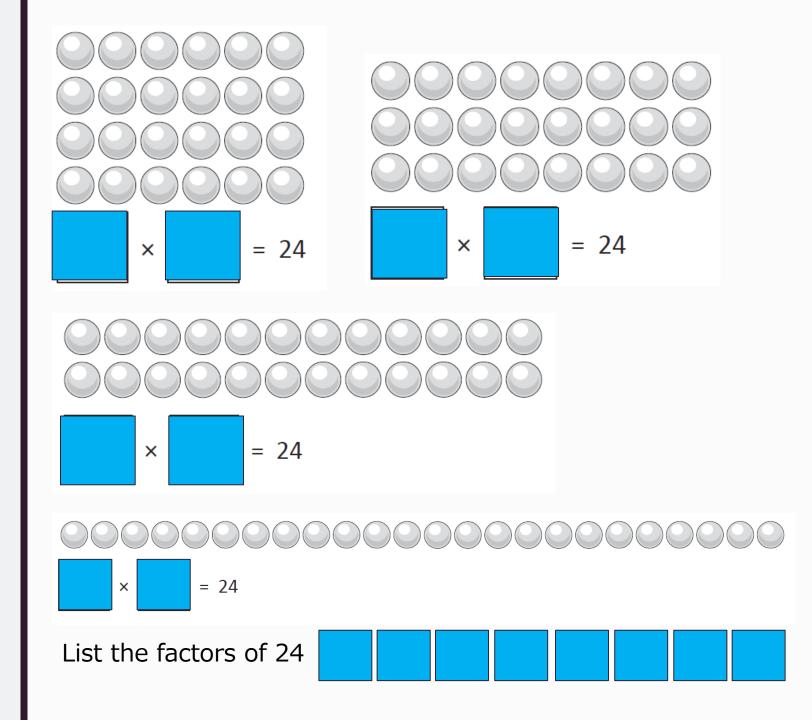
Put each prime number in a separate box

A **multiple** is a number that would appear in the base number's times table. E.g. 6 is a multiple of 3 because 3x2=6

A factor is a number that divides equally into another number. $5 \times 4 = 20$ 20 arranged in 5 rows means 4 in each row.

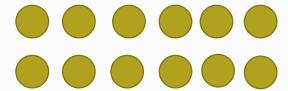
5 and 4 are factors of

20.



How many
ways can
you arrange
12?

Draw or copy and paste the circles to create different arrangements of 12



List the factors of 12

Find the secret numbers based on the clues

I am the only even prime number. I am

I am one of the two numbers that are neither prime nor composite. I am not zero.

l am

I am a 2 digit number. I am less than 40. I am a prime number and my second digit is smaller than

my first number. I am

I am the largest 5 digit number where no number is repeated. I am

I am the largest 4 digit number that uses the 4 smallest prime numbers. I am

I am a prime number. My digits add to total the smallest prime number. I am

Learning From Home

Take-home Pack



Teachers off-line 12-3pm

Complete the following tasks:

English: Grammar lesson; read a book

Maths: Maths Investigation

If you can access a web-enabled device today, then also complete:

Any unfinished Teams Assignments

Reading Eggs: 2 map lessons & any

assignments

Mathletics: minimum 5 assigned activities

W1: Speech and Dialogue

Lesson 1: Direct speech— BAN THE BORING!



Am I boring you?

- "Hi," said George.
- "Hi," said Lucy.
- "How are you going?" said George.
- "Eh I'm ok. I just want to get back to school." said Lucy.
- "Yeah me too!" said George.
- "Did you have a good holiday?" said Lucy.



Ban the boring. Make speech useful and interesting in your writing

- On a scale of 0-mind numbing, how boring was the direct dialogue from the first slide?
- Direct speech should be used to do a few things:
 - Develop character personalities and emotion
 - Progress the action in the scene
 - Reveal relationships

Lets rewrite parts of the opening slide

"Hi!" exclaimed George, rushing in for a hug. He had not seen anyone from school for so long!

"Hey George." replied Lucy, pulling herself away out of the warm embrace.

"What have you been up to?" said George, a big smile on his face. Knowing Lucy well, he knew her answer before she said it. She wasn't called a bookworm for nothing.

"Oh you know, busting to get back to school."



How to punctuate speech – Speaker at the end

- A speech mark always signals the start and end of a person speaking. Anything in between them is what the character will say out loud.
- Speech always needs to be punctuated BEFORE closing. See below:
 - "I like chocolate," said Ivana.
- You can see that when the speaker is at the end, we ALWAYS punctuate with a comma (question mark or exclamation mark is also ok), NOT with a full stop.

Activity 1

- Write 5 sentences with the speaker at the end. PAY ATTENTION to the punctuation.
 - Start with a capital letter, and end with either a comma, question or exclamation mark. NOT a full stop.
 - The full stop goes at the end after the speaker.
 - "I watched a movie," said Kerry.
 - "Do you like fruit?" asked Louise.
 - "I love it!" yelled Chris.

Do you have a capital letter at the start of the speech?

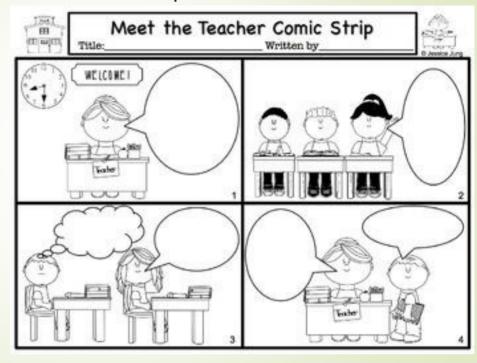
"Yes," said the Gruffalo.



Activity 2: Comic Strips

Fill in the speech bubbles in the following comic strip. For this activity, you DON'T have to use speech punctuation OR use the word said. Look online for cartoon examples for a good idea.

You might not be able to write inside the speech bubbles provided.



Activity 3 – What are they saying?

Choose one of the following pictures. What are they saying in their conversation? Make up the dialogue between the two characters. Each character needs to speak at least ONCE.

You MUST have correct punctuation







How to punctuate speech – Speaker at the start

- A speech mark always signals the start and end of a person speaking. Anything in between them is what the character will say out loud.
- Speech always needs to be punctuated BEFORE closing. See below:
 - Harrison said, "Check out this cool trick."
- You can see that when the speaker is at the start, we ALWAYS punctuate with a comma BEFORE commencing our speech (using speech marks)
- The speaker ALWAYS starts with a capital letter and will end their sentence with a full stop.



Activity 4

- Write 5 sentences with the speaker at the start. PAY ATTENTION to the punctuation.
 - Lead with a comma before the opening speech marks and ALWAYS start with a capital letter.
 - ▶ The full stop will go at the end just before the closing speech marks.
 - David asked, "Where were you?"
 - Chloe said, "I'll have a drink please."
 - Brent said, "Basketball is the best sport."



Do you have speech marks at the start and at the end of the words which are being spoken?

"Yes," said Skinner.

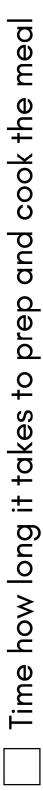


MATHS INVESTIGATION APPLY KNOWLEDGE AND UNDERSTANDING

mass | time | fractions | data

Select a recipe for something you can bake at home with adult supervision. Use this recipe to demonstrate the following skills:

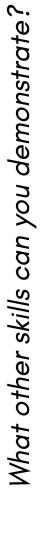






members and record this as a fraction









FACTORS AND MULTIPLES

Wednesday Week 1 Term 4

Learning Intention: Success Criteria:

To learn how to find common factors and common mutliples

- Find the common factors and multiples of two or more numbers
- Find the highest common factor (HCF)
 of two or more numbers
- Find the lowest common multiple (LCM)
 of two or more numbers

What is a factor?

What is a multiple?

A **factor** is a number that divides equally into another number.

$$5 \times 4 = 20$$

20 arranged in 5 rows means 4 in each row.

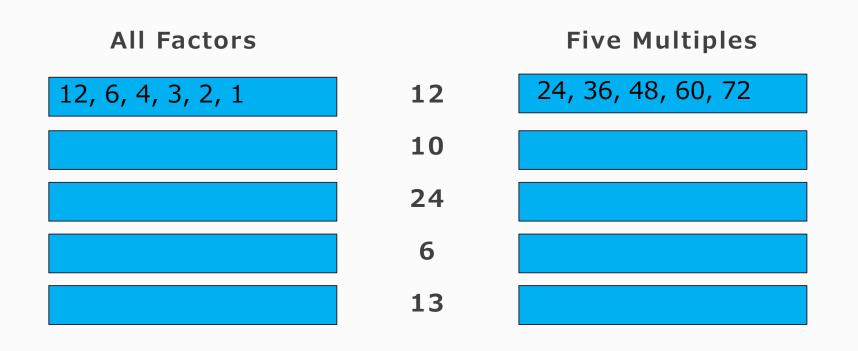
5 and 4 are factors of 20.

A **multiple** is a number that would appear in the base number's times table.

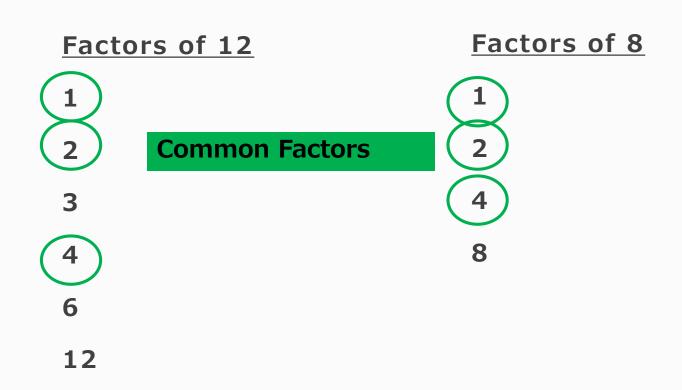
E.g. 6 is a multiple of 3 and 2

because $3 \times 2 = 6$

Write factors on the left and multiples on the right of the number in the middle

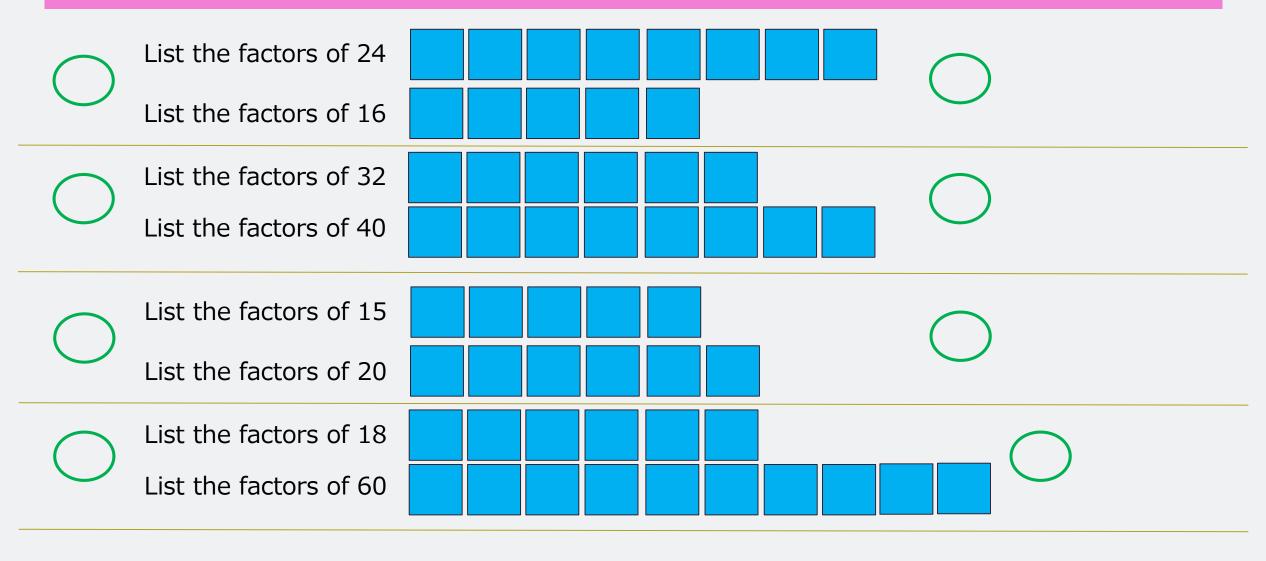


The Highest Common Factor is the largest factor that 2 or more numbers share.



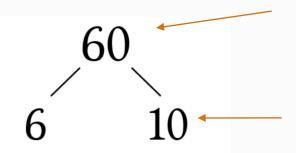
You can see that 1, 2, and 4 are all common factors. Which makes 4 the highest common factor (HCF)!

List the factors of each number that draw or move the circle over the Highest Common Factor (HCF)



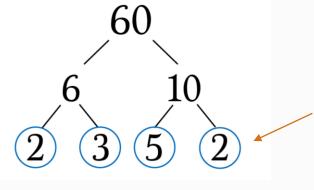
Factor trees

These help
you find the
PRIME
factors of a
number



The top number is our starting number 60

We can then break it down into 2 factors

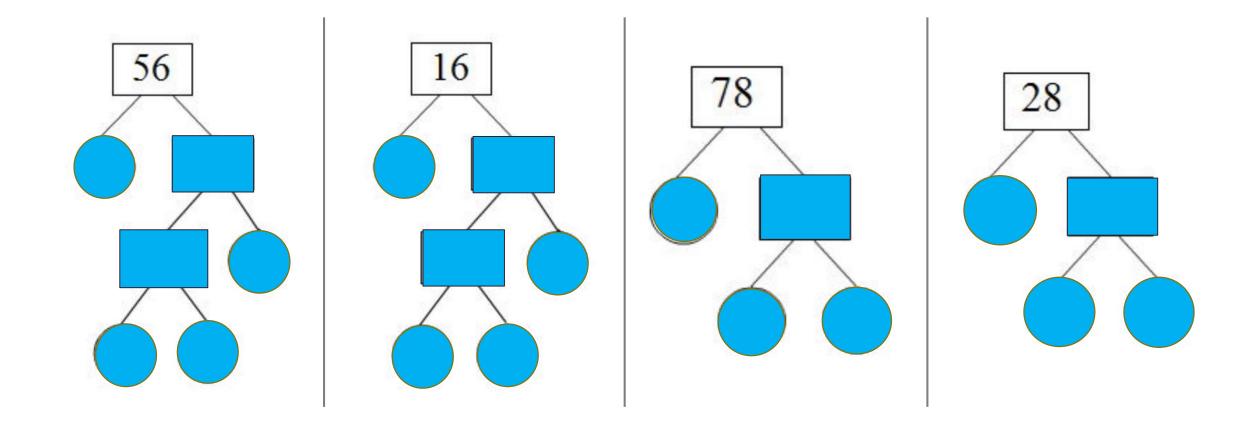


We can then break those numbers down further into more factors

Because these last factors are primes we cannot break them down further.

We can test that it is correct because $2 \times 3 \times 5 \times 2 = 60$

Complete these factor trees. Prime numbers will end up in the circles and composite numbers will be in the rectangles



So ... what is a "Multiple"?

We get a **multiple** of a number when we **multiply it by another number**. Such as multiplying by 1, 2, 3, 4, 5, etc, *but not zero*. Just like the multiplication table.

Here are some examples:

The multiples of **4** are: 4,8,12,16,20,24,28,32,36,40,44,...

The multiples of **5** are: 5,10,15,20,25,30,35,40,45,50,...

What is a "Common Multiple"?

Say we have listed the first few multiples of **4** and **5**: the **common multiples** are those that are found in both lists:

The multiples of 4 are: 4,8,12,16,**20**,24,28,32,36,**40**,44,...

The multiples of 5 are: 5,10,15,**20**,25,30,35,**40**,45,50,...

Notice that **20** and **40** appear in both lists?

So, the common multiples of 4 and 5 are: **20, 40,** (and **60, 80**, etc ..., too)

What is the "Least Common Multiple"?

It is simply the **smallest** of the common multiples.

In our previous example, the smallest of the common multiples is 20 ...

... so the **Least** Common Multiple of 4 and 5 is **20**.

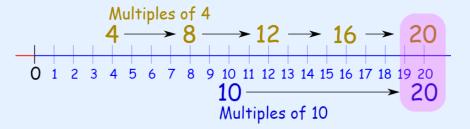
Finding the Least Common Multiple

List the multiples of the numbers until we get our first match.

Example: Find the least common multiple of 4 and 10:

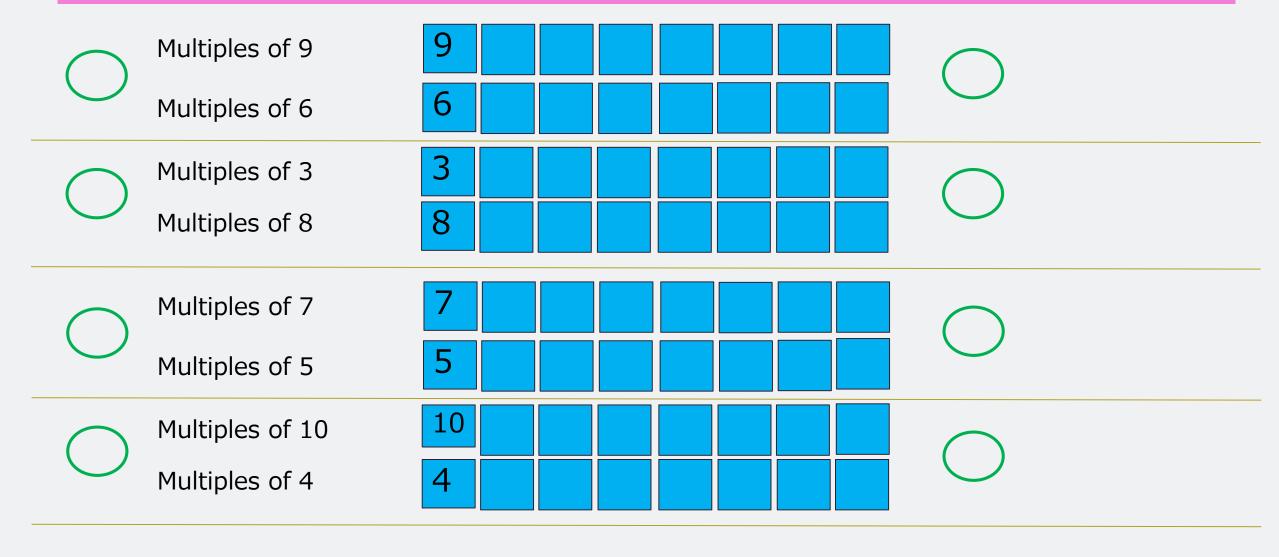
The multiples of 4 are: 4, 8, 12, 16, 20, ... and the multiples of 10 are: 10, 20, ...

Aha! there is a match at 20. It looks like this:



So the least common multiple of 4 and 10 is 20

List the first 8 multiples of each number then draw or move the circles ofver the lowest (least) common multiple (LCM)



Final Challenge

For each questions find the lowest common multiple between the 3 numbers.

Which question do you think will have the lowest answer?

A) 6, 7, 8

B) 5, 9, 8

C) 5, 9, 6

THURSDAY 7th October 2021



Lesson 2 – Characters can be simple or complex

Students are learning to:

- identify the ways in which character development creates interest for the reader or viewer
- interpret characters in texts.
- understand that characters may be simple or complex
- analyse and evaluate the way inference is used in a text to build understanding.

Learning experience	Resources
Speaking and listening Students use the character they chose to write about in lesson 1. They describe the character in detail to an adult using two truths and one lie. Students ask the adult to identify the part of the description that is untrue.	
Reading and viewing Characters can be simple with one or two pertinent characteristics or complex with detailed description of their features and personality. Simple characters remain unchanged throughout the story and more complex characters can develop and change as a result of events. Students think of at least one example of a simple character and a complex character from stories or movies they have read or viewed. Students read or listen to the text, The Most Boring Street in the World from The School Magazine. Students answer the following questions: Are the characters complex or simple? How do you know this? Do the characters in this text need to be more complex to serve their purpose?	Resource 3- The Most Boring Street in the World (online) Resource 2 - Student workbook (DOCX
Students complete a Venn diagram using information that they know about the characters Jade and Austin. Ask students to reflect on the characteristics we infer about Jade and Austin that are not referred to in the text and add these characteristics to the Venn diagram.	1.7MB)
Writing and representing Students take on a reporter role. They are to formulate 5 questions to ask the characters Jade and Austin. Students write the questions and the responses to the interview questions from both the characters of Austin and Jade. Students to complete activity on 'interview questions' in the student workbook.	Resource 2 – Student workbook (DOCX 1.7MB)
Reflection Knowing that the characters of Jade and Austin are represented so simply, how were you able to know enough about them to assume their identity and answer the interview questions?	

Lesson 2

During this lesson you will learn to:

- identify the ways in which character development creates interest for the reader.
- interpret characters in texts.
- understand that characters may be simple or complex.

2.1 Speaking and listening

Use the character you chose to write about in lesson 1.

You are to describe the character in detail to an adult using two truths and one lie.

Ask the adult to try to identify the part of the description that is untrue.

2.2 Simple or complex?

Read or listen to the text, The Most Boring Street in the World from The School Magazine.

Characters can be simple with one or two pertinent characteristics or complex with detailed description of their features and personality.

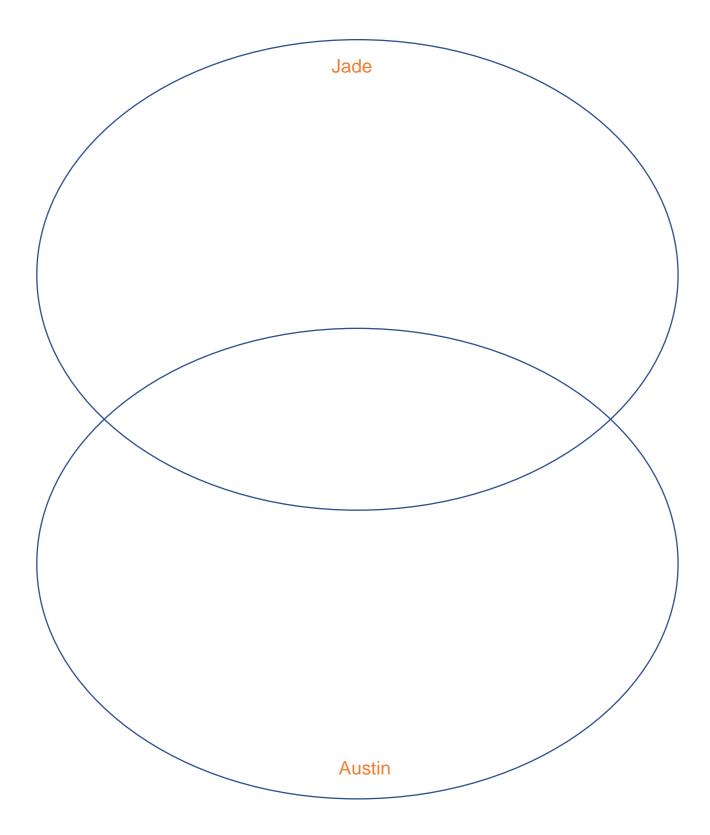
Simple (or flat) characters remain unchanged throughout the story and more complex (or round) characters can develop and change as a result of internal or external events.

Think of at least one example of a simple character and a complex character from stories or movies you have read or viewed.

Simple:	
Complex:	
Are the chara	acters in the text 'The most boring street in the world' complex or simple?
Tick inside t	he box next to the correct response.
	Simple OR Complex
How do you k	know this?
Do all charac	ters in texts need to be complex to serve their purpose? Why/why not?

Venn diagram

Complete a Venn diagram using information that you know about the characters Jade and Austin. Reflect on the characteristics can we infer about Jade and Austin that are not referred to in the text and add these characteristics to the Venn diagram.



2.3 Interview questions

Take on a reporter's role. You are to formulate 5 questions to ask the characters Jade and Austin. Write the questions and the responses to the interview questions from both the characters of Austin and Jade.

Question 1:
Austin's answer:
Jade's answer:
Question 2:
Austin's answer:
Jade's answer:
Question 3:
Austin's answer:
Jade's answer:
Question 4:
Austin's answer:
Jade's answer:
Question 5:
Austin's answer:
Jade's answer:

2.4 Reflection

Knowing that the characters of Jade and Austin are represented so simply by the composer of the text, how were you able to know enough about them to assume their identity and answer the interview questions?

Discuss with an adult.



NEGATIVE NUMBERS

Thursday Week 1 Term 4

Learning Intention:

Success

Criteria:

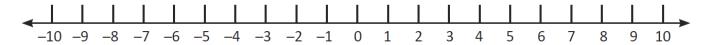
To understand negative numbers and their relationship with other numbers

- Explain what negative numbers are
- Identify negative numbers from different contexts

Types of numbers – negative numbers

Negative numbers are numbers with a value less than zero.

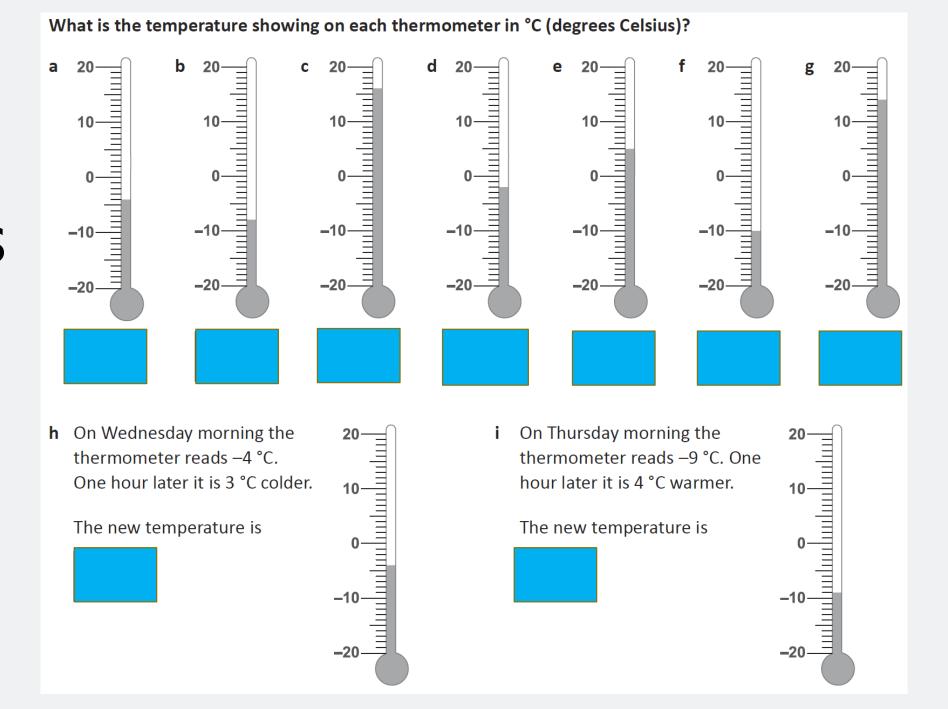
Negative numbers always have a minus sign before them.



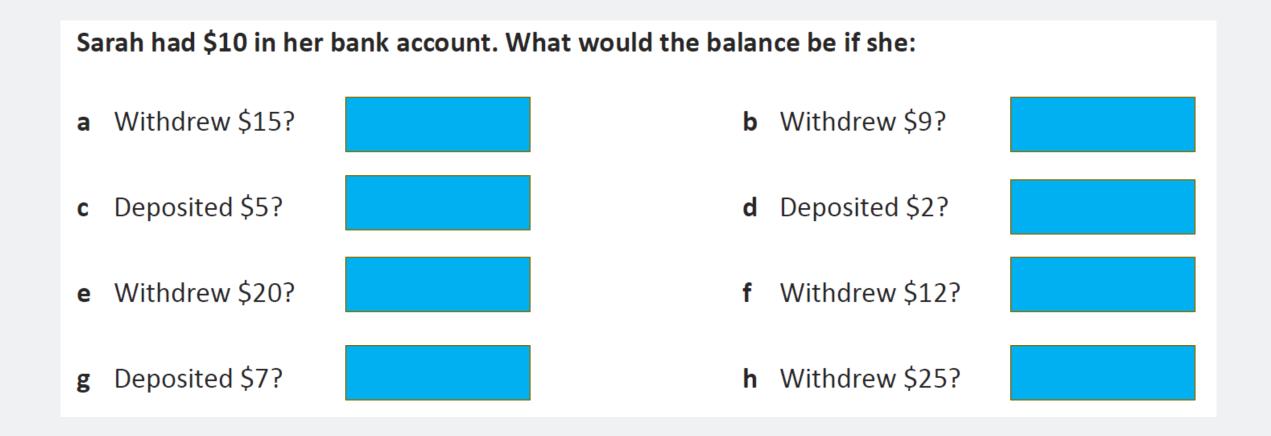
Negative numbers are used when we measure temperature and in transactions with money. When we are in debt, we have a negative balance. This means we owe money.

WHAT IS A NEGATIVE NUMBER?

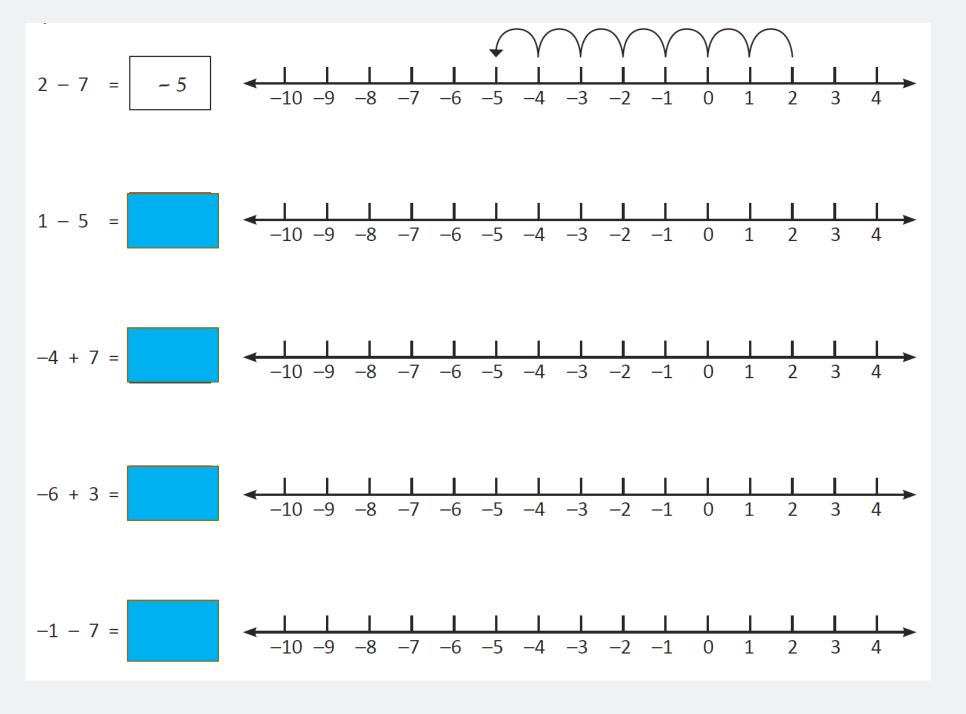
Answer the questions using the blue boxes



Answers these questions about Sarah's bank account.
Remember: Withdraw/withdrew means take money out and deposit means put money into the bank account.



Answer these questions. Use the number line to help you go in the right direction.



What happens when we add or subtract negative numbers?

Let's consider the following question:

$$7 + -4 =$$

We should read this as 7 plus negative 4 NOT 7 plus minus 4 as that can be a little confusing.

This is the rule for when we see two symbols next to each other. We can simplify those 2 symbols in to one symbol.

```
+ then - become -
- then + become -
+ then + become +
- then - become +
```

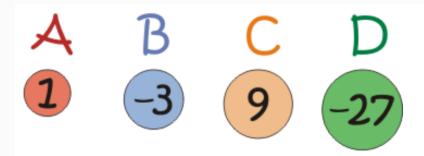
So
$$7 + -4 = \text{can be read as } 7 - 4 = 3$$

Remember the rules above help us for addition and subtraction when we have two symbols next to each other.

Let's try some questions, first simplify the symbols then solve the question – the first 2 have been done for you.

+ then - become - then + become + then + become +
- then - become +

Final Challenge Weights



Imagine you have two of each of the 'weights' above.

Different combinations of the weights available allow you to make different totals.

For example:

$$B+C=6 \ B+2C=15 \ A+2B+C=4 \ 2A+B+2C+D=-10$$

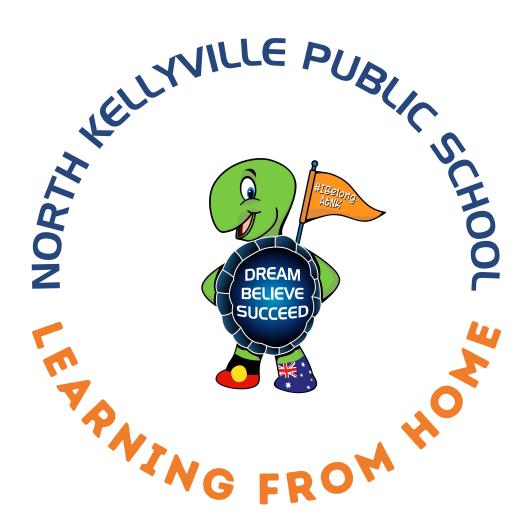
The largest total you can make is 20 (check you agree). The smallest total you can make is -60 (again, check you agree).

Can you make all the numbers in between?

Do this one on paper and attach a photo

FRIDAY

8th October 2021



Lesson 3 – Characters have the power to influence and change each other

Students are learning to:

- understand that characters may change as a result of events
- experiment with changing other's imaginative text by changing aspects of the text.

Learning experience	Resources
Speaking and listening Students draw a picture of an outrageous fictional character in their student workbook. Ask students to describe the character in detail to an adult and the adult is to draw a picture based on their explanation. Students and their adult compare their character pictures to evaluate the effectiveness of the student description.	Resource 2 - Student workbook (DOCX 1.7MB)
Reading and viewing Students reread the text, The Most Boring Street in the World from The School Magazine. Ask students to answer the following questions in their student workbook using the 'perspective and influence' activity. Which character in the text showed they could influence another character? How was Jade able to change Austin's perspective of the boring street? How do you know that Austin's perspective has changed? What evidence is there of this?	Resource 3 - The Most Boring Street in the World (online) Resource 2 - Student workbook (DOCX 1.7MB)
Writing and representing Students write a letter from Austin to Jade, expressing his gratitude and outlining how his perspective of the street has changed due to her actions. Students complete 'letter of perspective' in their student workbook. Reflection Students to discuss the following questions with an adult or their class online. How can I indicate that characters have changed as a result of events? Is it important that characters can show changes as a result of certain things that happen in the story? Does this make them more realistic?	Resource 2 – Student workbook (DOCX 1.7MB)

Lesson 3

During this lesson you will learn to:

- understand that characters may change as a result of events
- experiment with changing other's imaginative text by changing aspects of the text.

3.1 Outrageous fictional character

Draw a picture of an outrageous fictional character.

Describe the character in detail to an adult and ask them to draw a picture based on your explanation.

Compare the character pictures to evaluate your effectiveness to describe a character.

3.2 Perspective and influence

Reread the text, The Most Boring Street in the World from The School Magazine.
Which character in the text showed that they could have influence on another character?
How was Jade able to change Austin's perspective of the boring street?
How do you know that Austin's perspective has changed? What evidence is there of this?

3.3 Letter of perspective

Reread the text, <u>The Most Boring Street in the World</u> .			
Write a letter from Austin to Jade, expressing his gratitude and outlining how his perspective of the street has changed due to her actions.			

3.4 Reflection

Discuss with an adult or your class online:

How can I indicate that characters have changed as a result of events?

Is it important that characters can show changes as a result of certain things that happen in the story?

Does this make them more realistic?



NEGATIVE NUMBERS

Friday Week 1 Term 4

Learning Intention: Success Criteria:

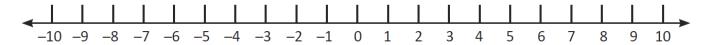
To understand negative numbers and their relationship with other numbers

 Perform different operations with negative numbers

Types of numbers – negative numbers

Negative numbers are numbers with a value less than zero.

Negative numbers always have a minus sign before them.



Negative numbers are used when we measure temperature and in transactions with money. When we are in debt, we have a negative balance. This means we owe money.

WHAT IS A NEGATIVE NUMBER?

Adding Negative Numbers

+ then - become - then + become +
+ then + become +
- then - become +

Subtracting Negative Numbers

+ then - become - then + become + then + become +
- then - become +

Adding and Subtracting Negative Numbers

Multiplying and dividing with negative numbers

When we multiply and divide with negative numbers we need to remember these rules with the symbols.

- + times equals -
- + times + equals +
- times equals +
- times + equals -

These are also true for division.

Example: $-7 \times 3 = -21$

$$8 \times -2 = -16$$

$$-7 \times -4 = 28$$

Multiplying Negative Numbers

+ times - equals -+ times + equals +

- times - equals +

- times + equals -

Final Challenge with Negative Numbers

B) Use two numbers from the list below to answer each of the questions.



1) x = -8

4) ÷ = -6

2) ÷ = 3

5) x = 72

3) x = 36

6) ÷ = -24

7) Find different pairs of numbers from the list to complete these equations:

$$x = -96$$
 \div $= -96$ \div $= -4$

8) Find 3 different numbers from the list to complete this equation:

There are 3 ways to do it! How many can you find?

WEEK 2 English



RESOURCES

RESOURCES



'The Most Boring Street in the World' story by Bill Nagelkerke, and illustrated by Tohby Riddle



He looked one way. Then he looked the other. 'This has to be the most boring street in the world,' he muttered to himself.

A voice at his shoulder surprised him by saying: 'No, it isn't!'

The voice belonged to a girl. 'I'm Jade,' she said. 'I live two houses down. I saw you when you moved in last weekend. What you said isn't true, you know. We live on a very interesting street.'

'Yeah, right!' said Austin. 'It's nowhere near a mall. It's not on a bus route. There's no skate park. And everything's old. What's there to do? A great big fat nothing. BORING!'

Jade looked at him. 'Come with me to the end of our street,' she said. 'I might be able to change your mind.'

'Not likely,' said Austin.

But he had nothing better to do, so he followed Jade anyway. Two houses down he saw a parked car with a trailer attached. Big letters on the back of the trailer said: DIG THIS! GARDENING SERVICES.

'My mum looks after other people's gardens,' Jade explained.

The end of their street joined up with more streets.

'Well?' said Austin. 'What's there to see?'

'Look up there,' Jade told him.

Austin looked up. The sky was blue. Clouds drifted overhead. Everything was exactly the same as it had been all during the long summer holidays.

'No, not up as high as that,' said Jade. 'There.'

'There' was a lamppost with signs of the street names attached.

'I don't get it,' said Austin.

'Our street is called Meteor Street,' Jade said.

'So?'

'Some people say The Meteor was the name of a ship,' Jade continued. 'But not just any old ship.'

She paused. Austin took the bait.

'What sort of ship was it then?'

Jade lowered her voice so Austin had to bend forward to hear her reply.

'Some people say it was a pirate ship.'

'Oh,' said Austin, showing a glimmer of interest. 'For real?'

'That's what some people say. Now, what's the name of that street?'

Austin read the sign. 'Skeleton Bay Road.'

Jade nodded. 'Exactly. That road goes all the way to Skeleton Bay. Some people say The Meteor was scuttled in the bay.'

'Scuttled?' asked Austin.

'Sunk,' said Jade. 'By its pirate crew. Some people say the crew mutinied because their captain went back on his word to share out the stolen treasure.'

'Treasure?' said Austin.

'Gold coins, precious stones, necklaces, rings. All sorts.'

'And it's still there?' said Austin, excitement creeping into his voice. 'In Skeleton Bay?'

Jade shook her head. 'Way better than that,' she said. 'Only the old bones of the ship are still in the bay. Whenever there's a storm at sea, some people say you can hear the timbers of The Meteor rattling and groaning, like the voices of ghosts. You see, the story goes that when the crew came to demand their share of the treasure, they discovered the captain had escaped ashore in the longboat, taking the treasure with him. They scuttled his ship in revenge.'

'But what happened to the treasure?' asked Austin. 'Did the captain get away with it, or did his crew track him down?'

Jade pointed to another street sign. 'What does that one say?'

'Sunset Way,' Austin read.

'And what colour is a sunset?' asked Jade.

'Gold,' said Austin, thinking about it. 'Or sometimes red. Sometimes orange as well. Lots of colours.'

'The colours of treasure,' said Jade. 'Some people say that the captain buried it along Sunset Way.'

'But only old people live on that street,' Austin said. 'I've seen them.'

'They do now,' Jade agreed. 'But back in those days there was no street there at all. The captain meant to come back for the treasure, but ...'

At this point, Jade paused dramatically.

'His crew did track him down,' Austin finished.

Jade didn't say a word. She didn't need to.

'Did anyone ever find the treasure?' Austin asked.

'Don't talk so loudly,' Jade said. 'We don't want the whole world to hear. Some people say it would have been found years ago, but no-one knows for sure. It might still be here. Every chance I get, I dig and I dig. But nobody really wants you to leave holes all over their garden, so I have to pretend I'm grubbing out weeds. It takes forever, and I can only treasure-hunt in the holidays.'

'I guess I could help you,' said Austin. 'But we'd have to split any treasure we find, fifty-fifty.'

Jade nodded. 'I'm cool with that.' she said.

'When shall we start?' asked Austin.

'Tomorrow, if you like.'

'You're on,' said Austin.

They went back up Meteor Street together.

'See you tomorrow then,' Jade said, as she went up her driveway.

'I can't wait!' Austin replied.

* * *

Jade's mum met her at the door.

'Was that the new boy?' she asked.

'His name's Austin,' said Jade. 'I think we might be friends.'

'Nice one,' said Jade's mum. 'It's been pretty dull for you on the street with no other kids your age around.'

'He thought our street was the most boring street in the world,' Jade explained. 'So I told him the story behind the street names.'

'Which story?' asked Jade's mum. 'The one about the captain's treasure, or the dinosaur bone discovery, or the UFO sighting?'

'The captain's treasure, of course,' said Jade. 'That's the best of the lot. But I might tell him the others if he ever gets bored again. After all, any one of them could be true. Not even the old people on Sunset Way know for sure.'

'Hmm,' said Jade's mum.

'We're going to meet up again tomorrow,' Jade said.

'I'm paying you to help tidy Mrs Domanski's garden tomorrow,' Jade's mum reminded her.

'I haven't forgotten,' said Jade. 'Austin's going to come along and do some digging too. And we've agreed to split the treasure—my pay, I mean—fifty-fifty.'



Rodent Rodeo

poem by Jody Jensen Shaffer

A tiny hat,

a pair of spurs,

a buckle for

a belt with pearls.

That's all this rodent

needs tonight

to barrel race

with all his might ...

except a horse,

a clown, some dirt,

his dungarees,

and red plaid shirt,

a lasso, saddle,

bolo tie,

his boots, some barrels,

orange and white.

He's ready now.

Just watch him go.

He's at the Rodent Rodeo!

MONDAY 11th October 2021



Lesson 4 – Author voice

Students are learning to:

- understand that characters may change as a result of events
- adapt aspects of texts to create new texts by thinking creatively and imaginatively
- recognise and use first and third person narration.

Learning experience	Resources
Speaking and listening Students choose an object from their home and turn it into a character. Give the character humorous characteristics. Describe the character to an adult.	
Reading and viewing Using the text, The Most Boring Street in the World from The School Magazine, students answer the following questions in their student workbook. Who is telling the story? How do you know? Students complete activity on 'first and third person narration' (focus on pronouns) in their student workbook.	Resource 3- The Most Boring Street in the World (online) Resource 2 - Student workbook (DOCX 1.7MB)
Writing and representing Rewrite – written task Success Criteria: understands character change as a result of events in the text adapts an imaginative text by changing aspects of the story uses first or third person narration, consistently in their writing. Students choose one part of the story to rewrite and add another character. This could be a sibling of Jade or Austin or another child that moves into the street. Students give this character one pertinent characteristic and think about how they will contribute to/impact the other characters in the story. Students choose to keep the narration in third person or change to first person.	Resource 2 – Student workbook (DOCX 1.7MB)
Reflection Students reflect on the following questions in their student workbook. How could the addition of a simple character contribute to the story? When you write a narrative, which author voice do you often use? Do you experiment with using other voices? Why/why not?	Resource 2 – Student workbook (DOCX 1.7MB)

Lesson 4 - part 1

During this lesson you will learn to:

- understand that characters may change as a result of events
- create new texts by thinking creatively and imaginatively
- recognise and use first and third person narration.

4.1 Speaking and listening

- Choose an object from your home and turn it into a character.
- Give the character humorous characteristics.
- Describe the character to an adult.

4.2 First and third person narration

Reread the text, The Most Boring Street in the World from The School Magazine.
Who is telling the story?
How do you know?

You can tell whether the story is written in first or third person narration by identifying the use of different nouns and pronouns.

Pronouns are words used to replace nouns in a sentence. For example-

First person: I ran to the letterbox as fast as I could.

Third person: She ran to the letterbox as fast as she could.

Billy ran to the letterbox as fast as he could.

Complete the table of first and third person narration:

Narration		
First person	Third person	
I was in the mood to go for a swim.	She was in the mood to go for a swim.	
	He was so happy to have spotted a dolphin from the boat.	
I couldn't believe my eyes when I opened the door to the castle.		
	Amber danced to the song playing on the radio.	
I savoured the sweet taste of the ice block on the sweltering hot afternoon.		

4.3.1 Rewrite

Reread the text, The Most Boring Street in the World from The School Magazine.

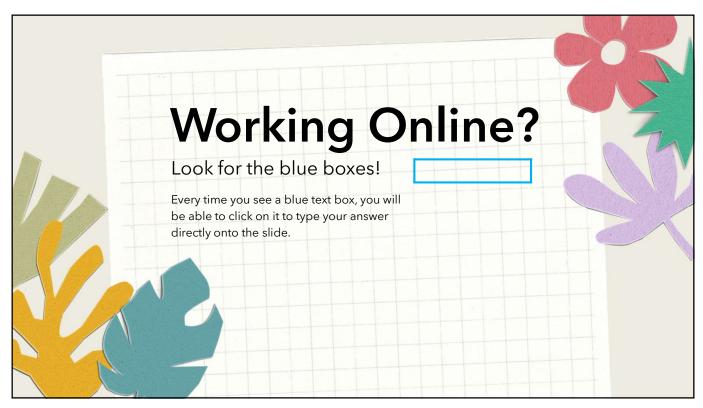
Choose one part of the story to rewrite and add another character. This could be a sibling of Jade or Austin or another child that moves into the street.

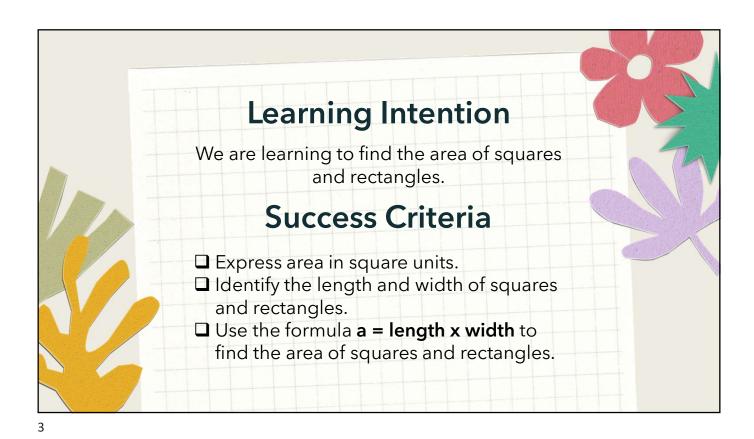
Give this character one pertinent characteristic and think about how they will contribute to and impact the other characters in the story.

You may choose to keep the narration in third person or change to first person.

Start writing on the next page.







Area is the amount of space a shape covers. It is a 2D measurement.

We measure area in square units. For small areas we use square centimetres.

1 cm

Shade the grid to show a rectangle with the area of 6 cm².

What is the area of each shaded shape?
Each square in the grid has an area of 1 cm².

a

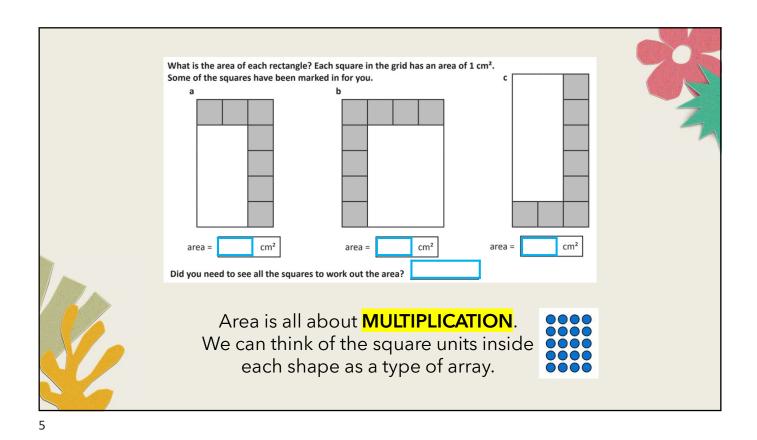
B

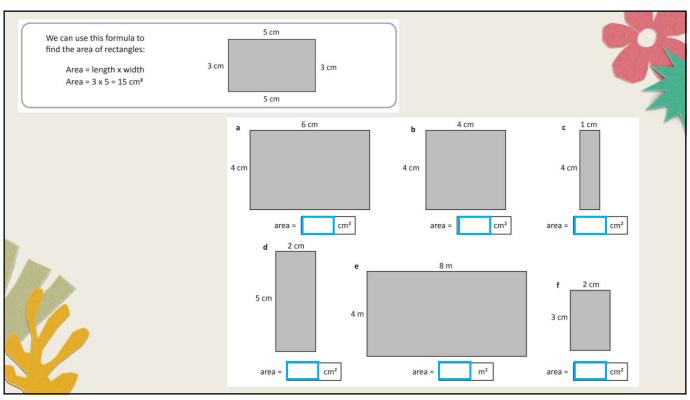
C

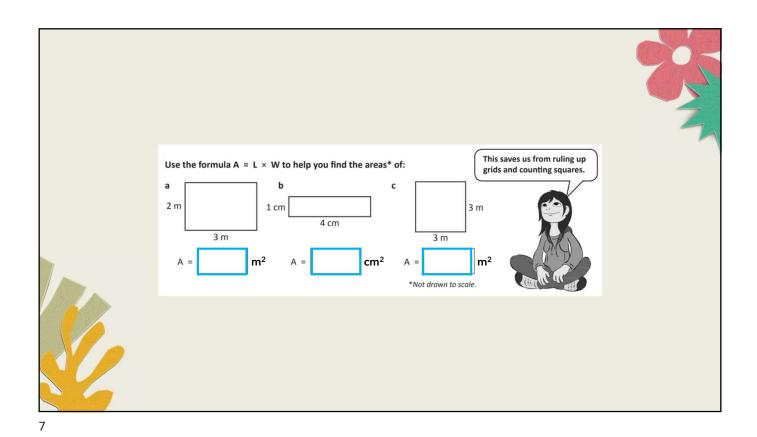
area = cm²

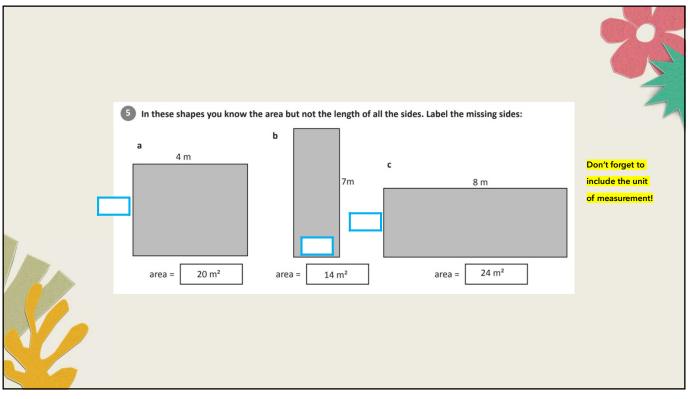
area = cm²

area = cm²





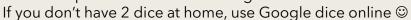


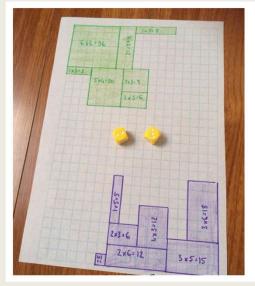


	Find the area of the following:		
	a A rectangle measuring 8 cm × 5 cm	b A box measuring 30 cm × 7 cm	
	c A pool measuring 25 m × 10 m	d A phone measuring 4.5 cm × 10 cm	
	e A book measuring 35 cm × 12 cm	f A field measuring 60 m × 25 m	
	g A town square with 4 sides of 10 m	h A rug measuring 10.2 m × 3.4 m	
9			

Answer these area word problems: a Marianne wants to buy new carpet for her bedroom. Her room is 3 m × 4 m and the carpet she wants costs \$50 per m². How much will the new carpet cost her? b A book is 12 cm longer than it is wide. If it is 10 cm wide, what is the area of the book? c A garden has an area of 35 m². If the garden is 7 m long, what is its width? d The area of a rectangle is 48 cm². What might be the length and width? Come up with 2 options: Option 1 L = W = Option 2 L = W =	

Have a go at this game with a family member. The grid is on the next slide - you can either print it or use the drawing tools to shade each shape.





Each player uses a different colour.

Roll 2 dice to represent the length and width of a square or rectangle.

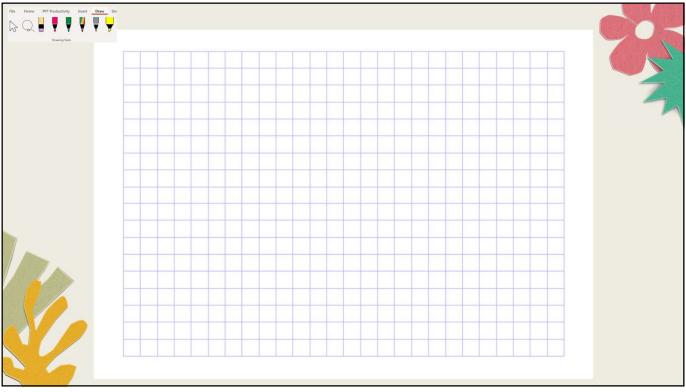
Draw your shape on the grid, making sure each new shape is touching a previous one.

Keep a tally of the total area of your shapes as you go.

If you can't find space to draw your array, you lose a turn.

Once the board is completely full, the winner is the player with the most squares coloured.





TUESDAY

12th October 2021



Lesson 4 – part 2

4.3.2 Edit and Rewrite

Reflecting on yesterday's 'Rewrite' task, review your writing and analyse its strengths and areas for improvement, using the table below.

Then, rewrite it again, making improvements based on your analysis and any feedback given by your teacher and/or adult at home.

Rewrite Analysis	
Writing Elements	How did I do? Write a comment below
Spelling – any words look/sound incorrect?	
Punctuation – used accurately and purposefully?	
Grammar/parts of speech – used correctly?	
Sentence Structure – do they all make sense?	
Paragraphs – did I use them? How well?	
Cohesion – does it flow nicely and make sense overall?	

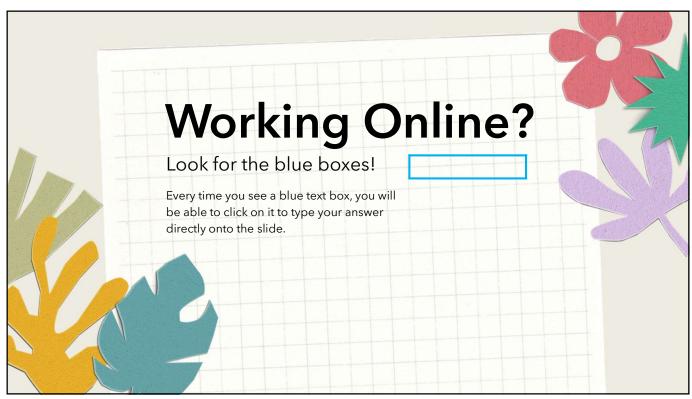
Now apply this analysis and any other feedback to rewrite your first rewrite, on the next page.

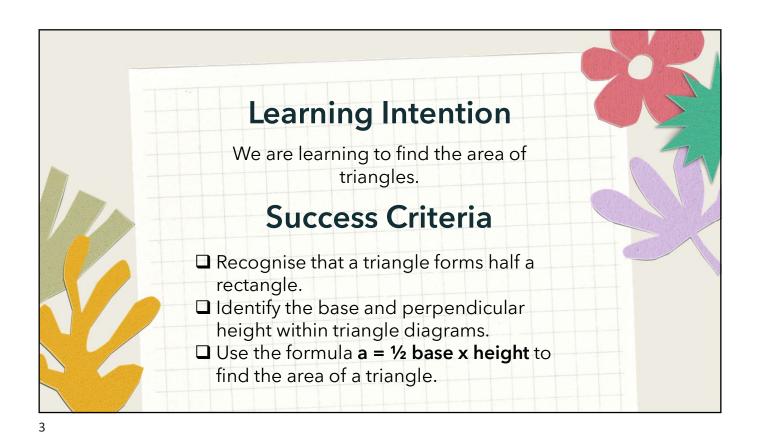
Rewrite – version 2		

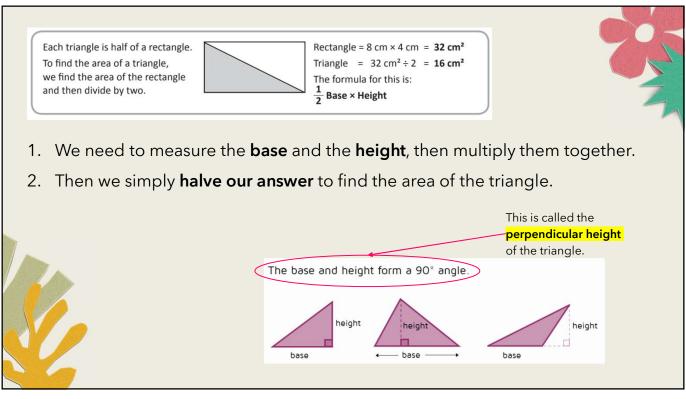
4.4 Reflection - Voices

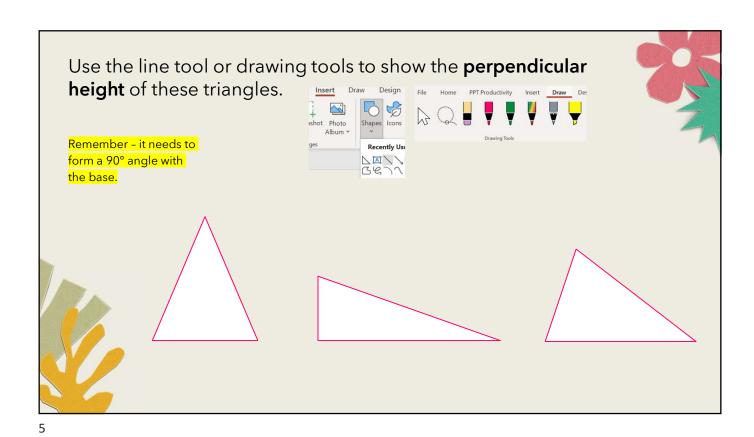
How could the addition of a simple character contribute to the story?	
When you write a narrative, which author voice do you often use?	
Do you experiment with using other voices? Why/why not?	

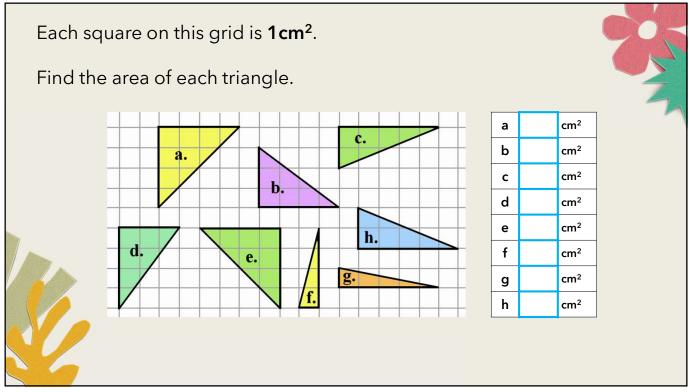


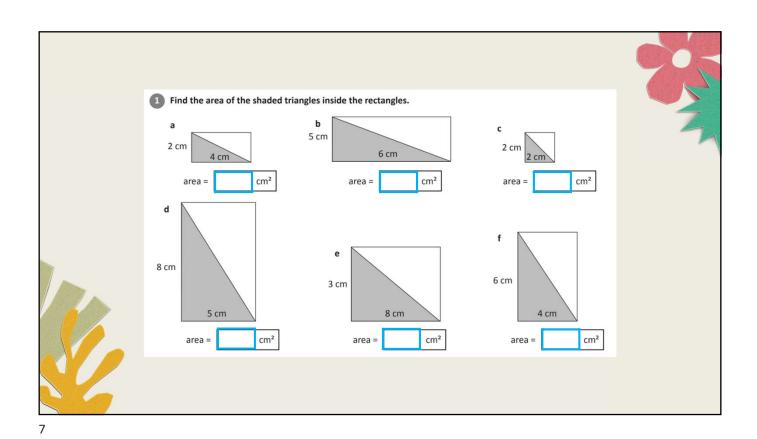


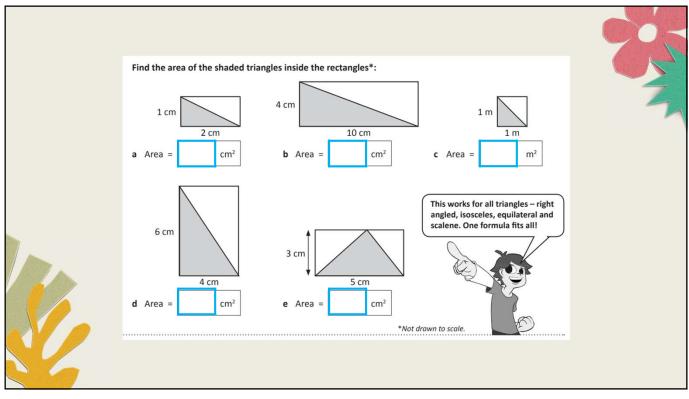


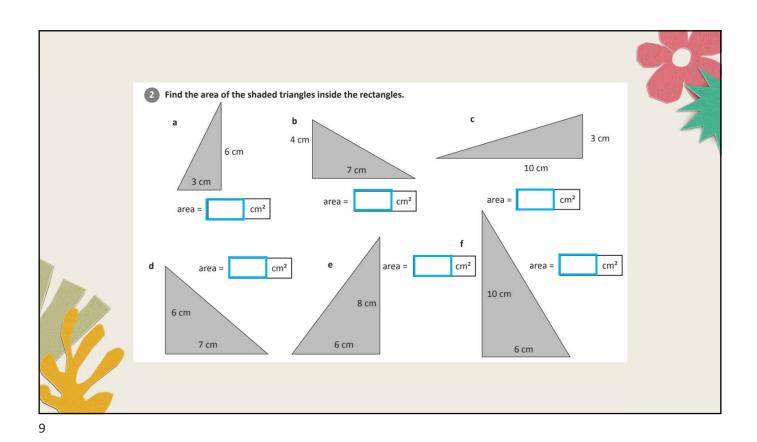


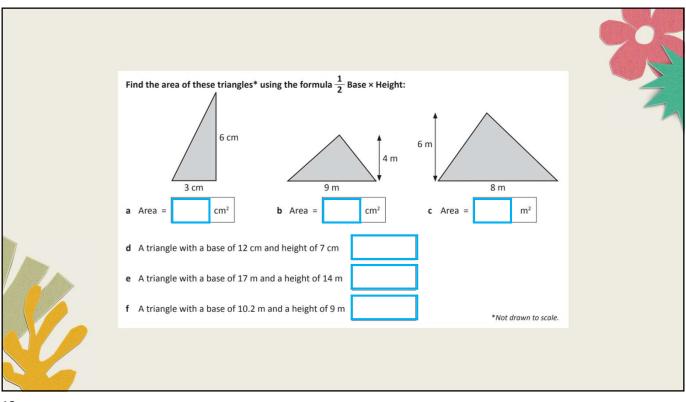






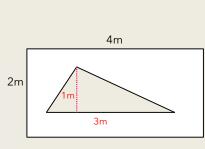




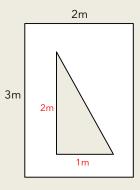


Each of these rectangular walls has a triangular window cut out of it. I would like to paint each wall, but I'm not sure how much paint I will need.

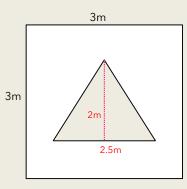
Can you work out the area of each wall that will need to be painted?



Area = m²

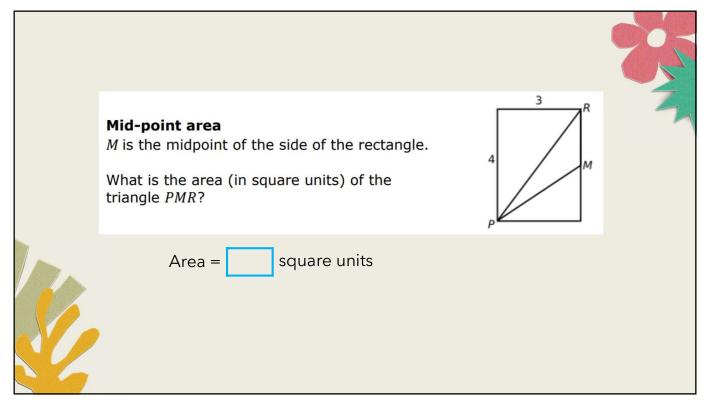


Area = m²



Area = m²

11



Learning From Home

Take-home Pack



Teachers off-line 12-3pm

Complete the following tasks:

English: Grammar lesson; read a book

Maths: Maths Investigation

If you can access a web-enabled device today, then also complete:

Any unfinished Teams Assignments

Reading Eggs: 2 map lessons & any

assignments

Mathletics: minimum 5 assigned activities

W2: Speech and Dialogue

Speaker in the middle AND speakers with action.

Activity 1

Using the Speaker AT THE END, what could these people be saying? For each picture, you only need to have ONE person speaking.

Eg: "What are we having for dinner Dad?" asked Laura.







Activity 2

Using the speaker at the START, what could these people be saying?

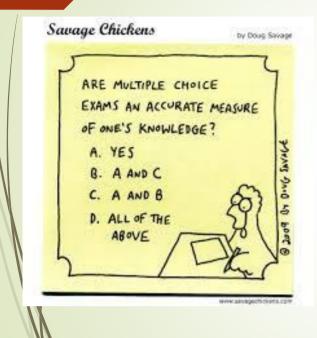
Eg: Conner asked, "Why can't I go outside?"



How to punctuate speech – Speaker in the middle

- A speech mark always signals the start and end of a person speaking. Anything in between them is what the character will say out loud.
- When the speaker is in the middle, we apply rules from both (the end and the start).
 - "Hey Yasna," called Eeshaan, "wait up."
 - "/ like chocolate," explained Samantha, "Do you like chocolate too?"
- You will notice that in the second speech section, it does not always start with a capital letter. This is a tricky rule. If it is part of the same sentence, you DON'T NEED a new capital letter (but you could still use it).
 - IF it is a new sentence for the speaker, you do need a new capital letter. Figure out what you want to do, and stick with it.

Activity 3



- Write 3 sentences with the speaker in the middle. PAY ATTENTION to the punctuation.
 - "Well then," said the teacher, her lip curling, "Which one of you did it?"
 - "The first one," explained Dan, sure of himself, "Definitely A."



Adding information to your speakers

- It is important to do two things when writing dialogue and speech
 - Avoid using 'said' all the time
 - Don't overuse 'said' alternatives.
- When you write dialogue, you need to try to incorporate action throughout. This way the reader will see it playing like a movie, right in front of them.
 - On your next activity, you will need to write direct speech and add an action for your character as well.



Activity 4

- Write 3-5 sentences of dialogue, ensuring your characters have an action to go along with it.
- **Examples**:
 - "I told you I don't like broccoli Mum!" exclaimed Danika, crossing her arms.
 - "I saw him Miss," said Eric, twisting to point towards the canteen, "He ran that way."
 - Standing up in excitement, Rayana said, "Yes that's it!"



MATHS INVESTIGATION APPLY KNOWLEDGE AND UNDERSTANDING

addition | subtraction | money | decimals

purchased recently from the shops. Use these items to Find 10 items in your pantry or fridge that have been demonstrate the following skills:

item
ach
t of
the cost of e
research
오
ternet
nte
Φ.
4
Use

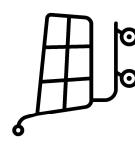


Research each item again to find a cheaper price and add

these prices to the table

Calculate the difference in cost for all items

Calculate the total costs and money saved



What other skills can you demonstrate?



THURSDAY 14th October 2021



Lesson 5 – Character personification

Students are learning to:

- understand, interpret and experiment with personification
- select appropriate language for a purpose.

Learning experience	Resources
Speaking and Listening Using third person, students describe themselves in detail to an adult as if they were a character from a story or movie.	
Reading and Viewing Students use the poem, 'Rodent Rodeo' from The School Magazine. Using the image of the rat, students describe the features that are human like, using adjectives and descriptive language. Explain to students that this is called personification. Students to view the video about personification. Students read the poem and answer the questions: How has the author personified the rat? Why has the author chosen a rat to be given human characteristics? Students complete 'personification' activity in student workbook.	Resource 4- Rodent Rodeo (online) Resource 5 – Personification video
Writing and Representing Students choose an animal or an object and imagine it is going to an event or engaging in a human activity of their choice. Illustrate the character in the centre of the page in the student workbook on the 'engaging in human activity' page. Students brainstorm and describe human features and what it will need for the event or activity around the illustration.	Resource 2 – Student workbook (DOCX 1.7MB)
Reflection Students reflect on the following question with an adult or with their class online. Is personification an effective characterisation strategy to create an emotional response in the reader? Why/why not?	

Lesson 5

During this lesson you will learn to:

- understand, interpret and experiment with personification
- select appropriate language for a purpose.

5.1 Speaking and listening

Using third person, students describe themselves in detail to an adult as if they were a character from a story or movie.

5.2 Personification

Read the poem, 'Rodent Rodeo' from The School Magazine.

Using the image of the rat, describe the features that are human like, using adjectives and descriptive language.

Personification is when you give an animal or object qualities or abilities that only a human can have.

Here's a reminder of what personification means:



How has the author personified the rat? What human like qualities does he have?
Why has the author chosen a rat to be given human characteristics?

5.3 Engaging in human activity

Choose an animal or an object and imagine it is going to an event or engaging in a human activity of their choice.

Illustrate the character in the centre of the page.

Brainstorm and describe human features and what it will need for the event or activity around the illustration.

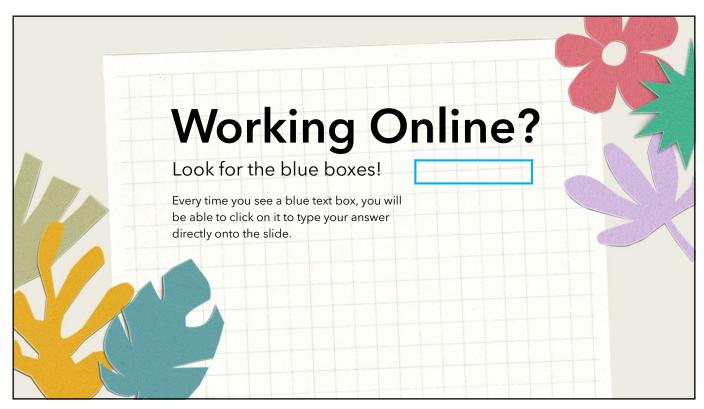
5.4 Reflection

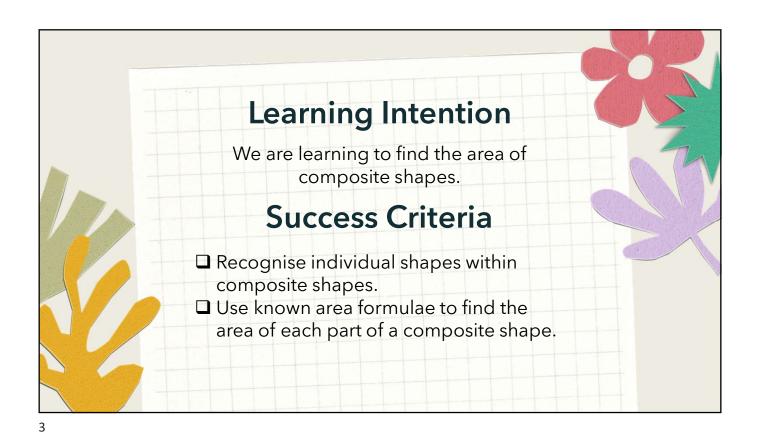
Discuss an adult or with your class online:

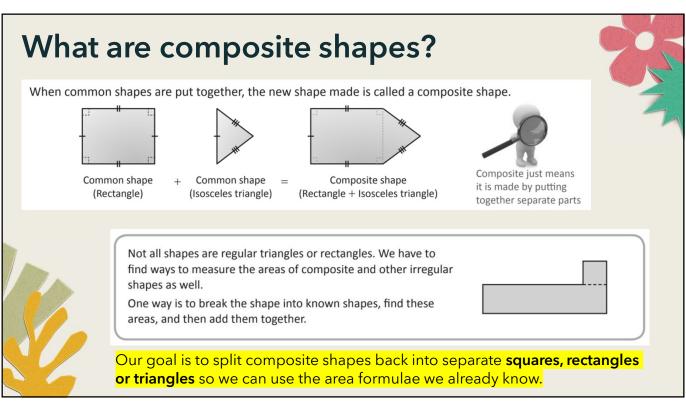
Is personification an effective characterisation strategy to create an emotional response in the reader?

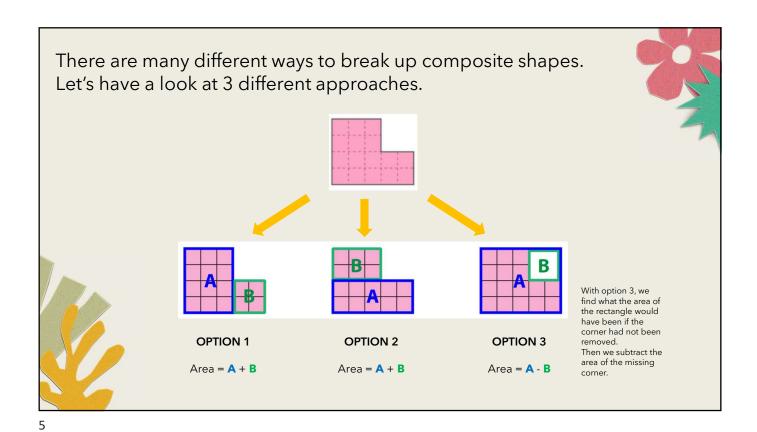
Why/why not?

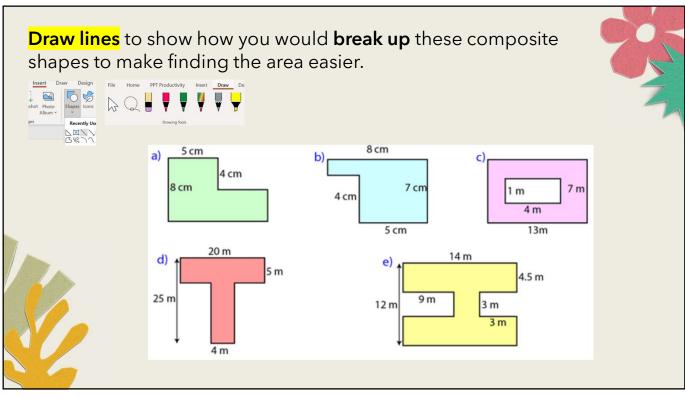






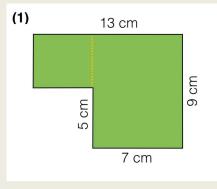






What do we do if one of our dimensions is not labelled with a measurement?





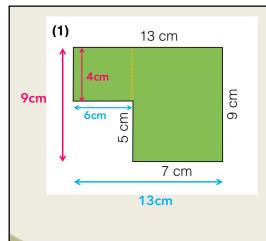
We can find the size of the **larger** rectangle, because its length and width are labelled.

 $9cm \times 7cm = 63cm^{2}$

But the **smaller rectangle** doesn't have its own separate length and width measurements.

What can we do?

7



STEP ONE

We can see that the full length of the shape is 9cm, so the full length on the opposite side will also be 9cm.

We can work out the length of the small rectangle by subtracting the 5cm measurement from 9cm.



STEP TWC

We can see that the full width of the shape is 13cm, so the full width on the opposite side will also be 13cm.

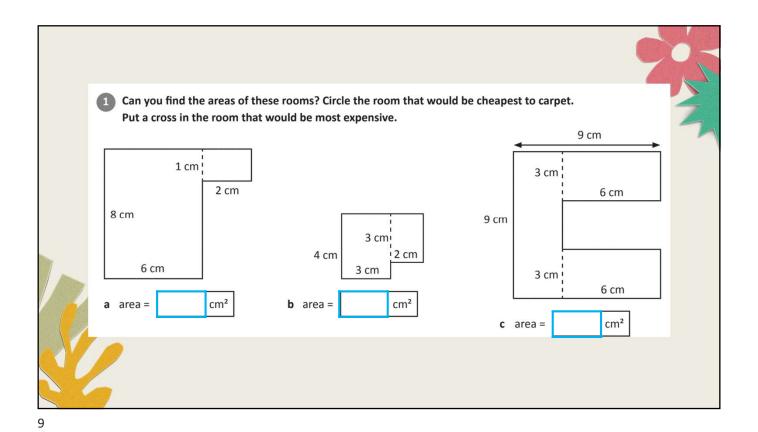
We can work out the width of the small rectangle by subtracting the 7cm measurement from 13cm.

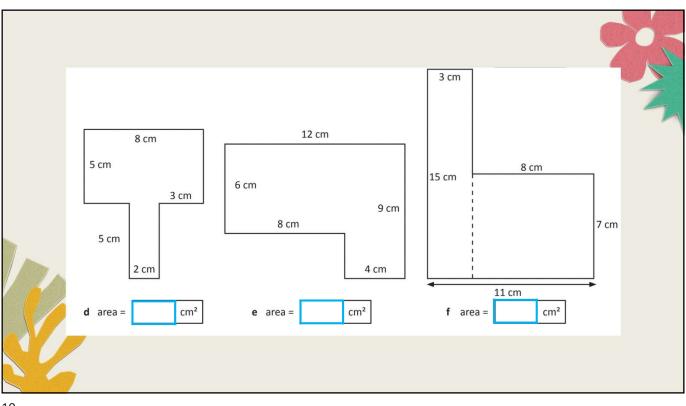
13cm - 7cm = 6cm

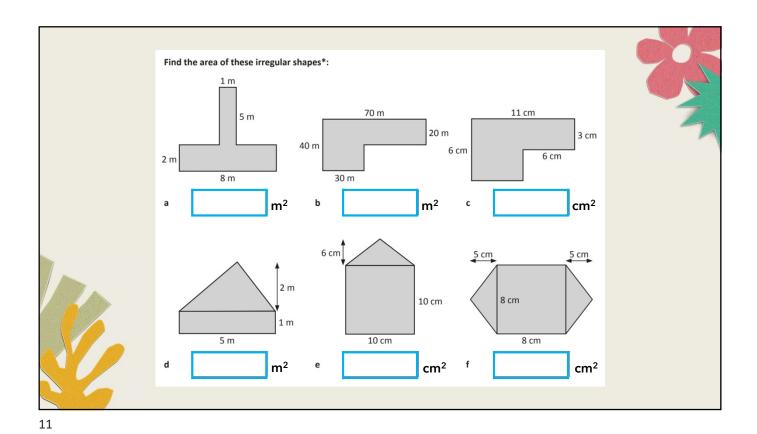
STEP THREE

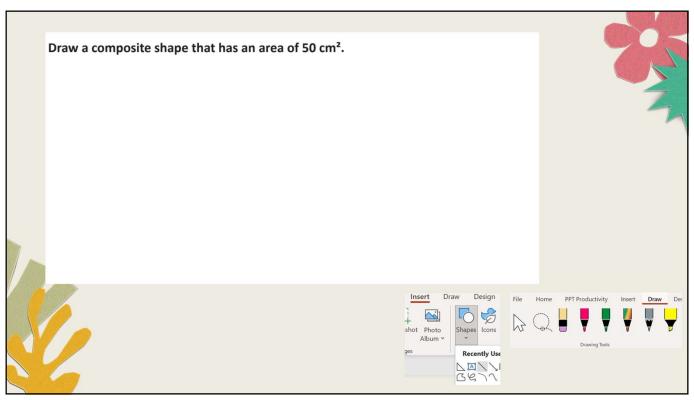
Smaller rectangle = $4 \text{cm x } 6 \text{cm} = 24 \text{cm}^2$ Larger rectangle = $9 \text{cm x } 7 \text{cm} = 63 \text{cm}^2$

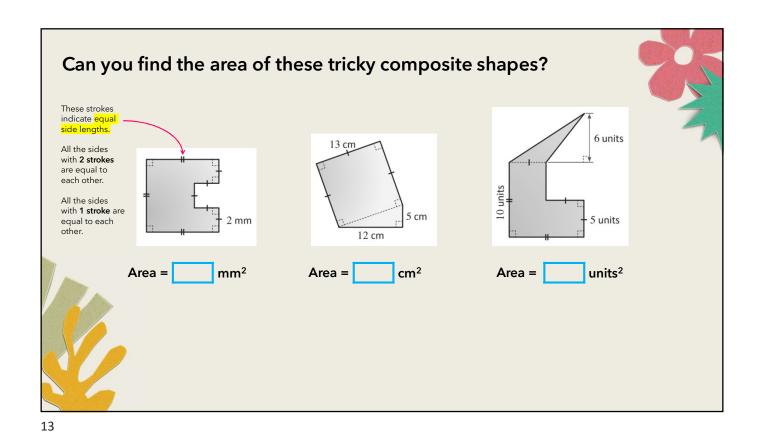
Total area = $24cm^2 + 63cm^2 = 87cm^2$

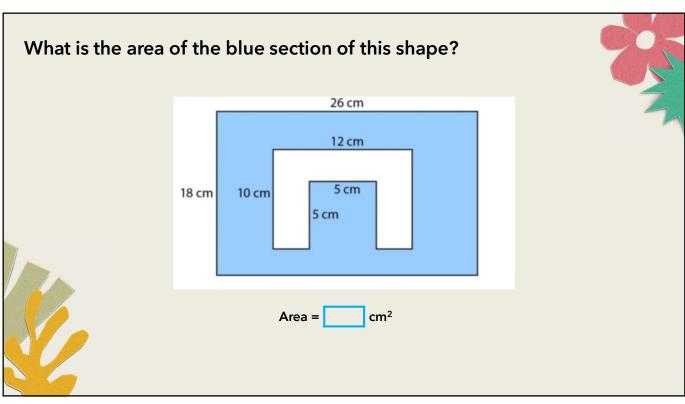












FRIDAY

15th October 2021



Lesson 6 – Character personification continued

Students are learning to:

- understand, interpret and experiment with personification
- experiment with text structures and language features and their effects in creating literary texts.

Learning experience	Resources
Speaking and listening Students look for an insect outside and describe it to an adult giving it human characteristics - likes, dislikes, where it is going etc.	
Reading and viewing Ask students to reread the poem, Rodent Rodeo. The poem follows a very simple structure of listed personified items that the rat has gathered to attend the rodeo. Students complete 'structure of poem' activity in their student workbook.	Resource 4 - Rodent Rodeo (online) Resource 2 - Student workbook (DOCX 1.7MB)
Writing and representing Students use the character they developed in the previous lesson to write a poem, following the structure of the Rodent Rodeo poem. Students complete 'my poem' activity in the student workbook.	Resource 2 - Student workbook (DOCX 1.7MB)
Reflection Students discuss the following questions with an adult. What is personification? How does personification help me as a reader? How can using personification help me as a writer? Why do authors choose to personify objects/animals in texts?	

Lesson 6

During this lesson you will learn to:

- understand, interpret and experiment with personification
- · experiment with text structures and language features

6.1 Speaking and listening

Students look for an insect outside and describe it to an adult giving it human characteristics - likes, dislikes, where it is going etc.

6.2 Structure of poem

Reread the poem, Rodent Rodeo from The School Magazine.

The poem follows a very simple structure of listed personified items that the rat has gathered to attend the rodeo.

Answer the following questions:

What do you notice about the structure of the poem?

Is the language complex or simple?

Tick inside the box next to the correct response.

Simple OR Complex

What were some personified items mentioned in the poem?

6.3 My poem

Reread the poem, Rodent Rodeo from The School Magazine.
Use the character you developed in the previous lesson to write a poem, following the structure of the Rodent Rodeo poem.

6.4 Reflection

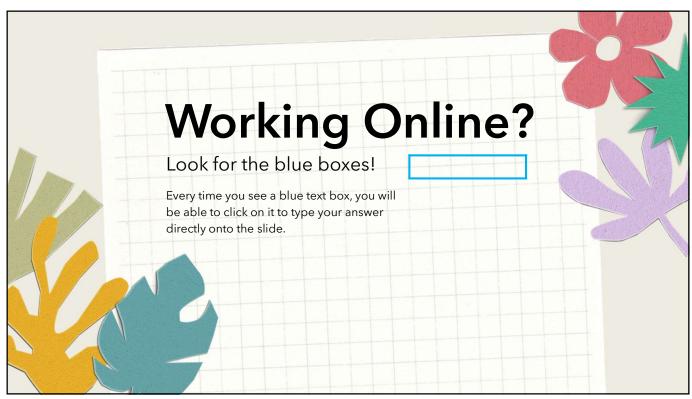
Discuss with an adult or online:

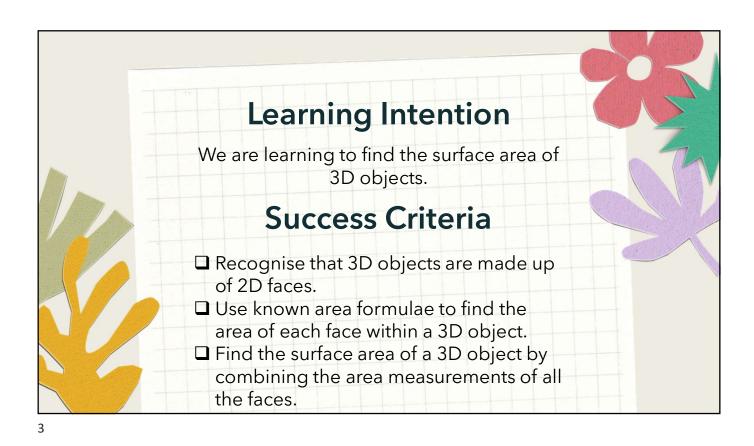
What is personification? How does personification help me as a reader?

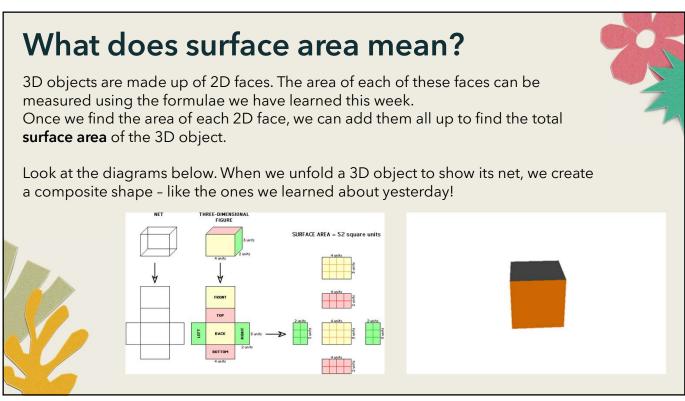
How can using personification help me as a writer?

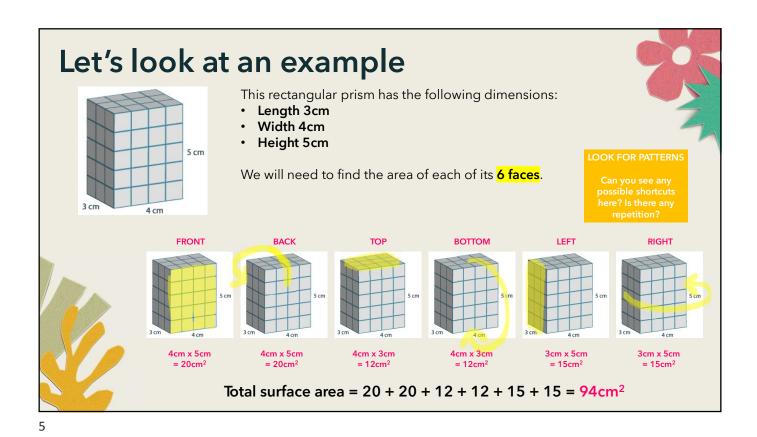
Why do authors choose to personify objects/animals in texts?

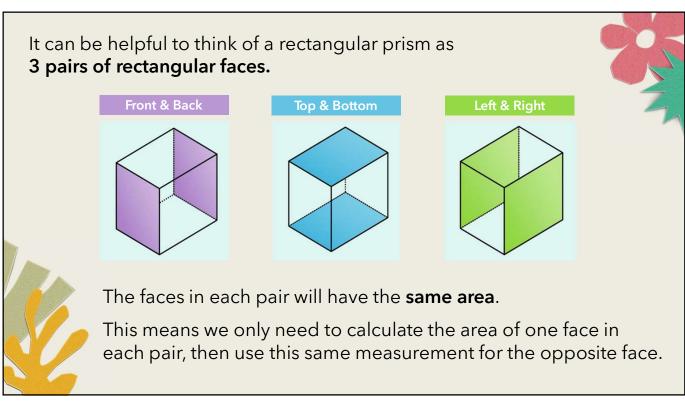


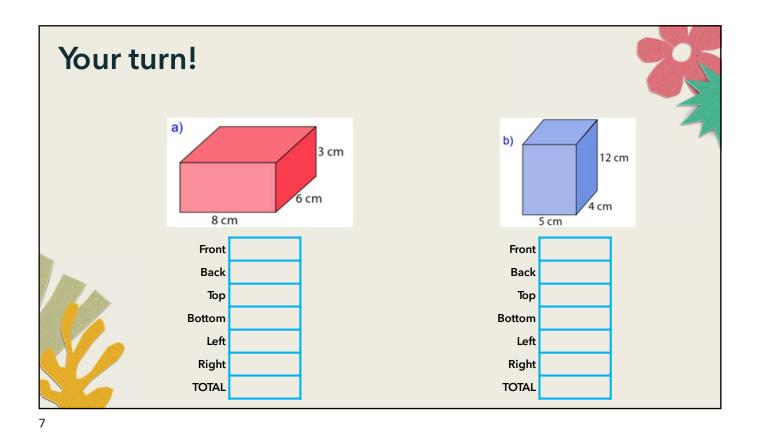


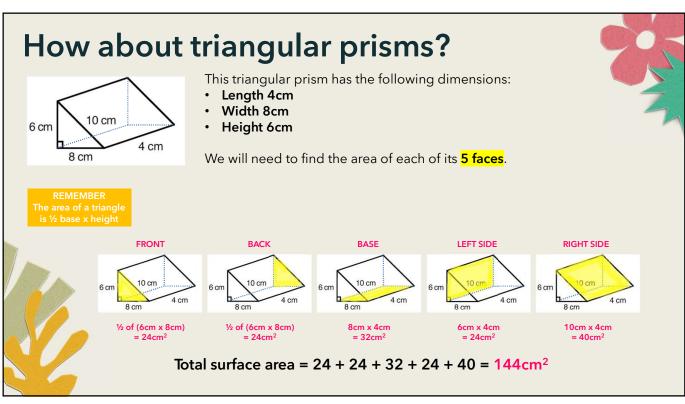


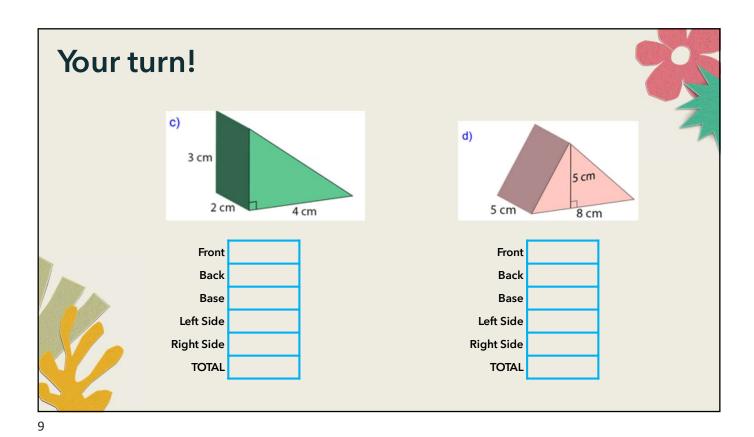


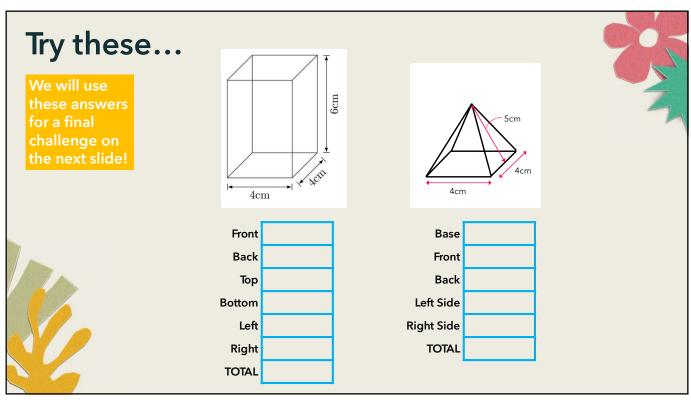






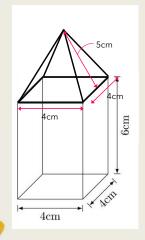






Final challenge!

What if we glued the square pyramid on top of the rectangular prism?



SpongeBob thinks the surface area of the new object can be found by adding together the surface area of the pyramid and prism.

Explain why he is wrong.



What would be the correct surface area of the new object?

11

Finished? ⊘ 01 Check your answers carefully.



- 02 Complete any assigned Mathletics tasks.
- 03 Work on this week's Maths Investigation.

WEEK 3 English



RESOURCES

WHAT'S THE DIFFERENCE?

Metaphors and similes both help the reader understand a subject by comparing it to something else. But, they are different...

METAPHOR

SIMILE

A comparison between two things that are not alike and replaces the word with another word.

DEFINITION

A comparison between two things that are not alike and replaces the word with another word

AND

uses the word like or as

To paint a picture for the reader

PURPOSE

To paint a picture

AND

give an example

The subject is said to be another

QUICK MEMORY TIP

The subject is as or like another

He was a volcano of rage.

He was putty in her hands.

With the windows rolled up the car was a furnace.

After the storm the garden was a swamp.

EXAMPLES

She cried like a baby.

Life is like a box of chocolates.

He was as busy as a bee.

She was snug as a bug in a rug.

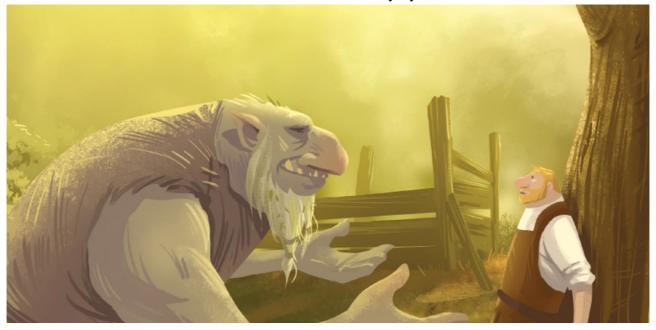
He was blind as a bat.



RESOURCES



'The Clever Sun and Moon' story by Melissa Marr



A long time ago—before your grandmothers were even born—there lived a man and his two children. The children, a boy and a girl, wanted very much to learn about the world, but the closest school was too far away.

So the man began to build a school in their village. But building a school alone is hard, so the man made slow progress on his great task. He feared the children would have children of their own before he could build it. He worked hard, but there were so few hours for such a vast job.

One afternoon, as the man rested against a tree, a troll approached him.

The troll gestured towards the crude building and in a voice like gravel rattling in a box announced, 'I can build this. And if you can guess my name before I finish, you owe nothing.' Then the troll smiled, and it was a horrible smile. 'But if you cannot guess my name before the last stone is in place, you must give me the Sun and Moon—or yourself.'

The man paused because he knew there was no way he could pull the Sun or Moon from the skies, but he had no other plan so he agreed to the troll's bargain.

For the next three days, the man rose with the Sun and went to the clearing, and each morning there was the troll, hauling timber with the ease of a hare lifting a single blade of grass.

Every day the man watched the troll and guessed. 'Brokk? Garm? Pedar? Cnud?'

After each name, the troll shook his head.

By the end of the third day, the man had listed every name he knew: all his cousins, his ancestors, the villagers and even the few strangers who had passed through the village. The man was out of ideas.

Sadly, the man watched the troll wander back into the forest, big bare feet thumping on the ground, shaking the earth with each step.

Then the man went home and began to prepare the evening meal for his children. While he was doing so, his children approached him.

Leaning her head against his arm, his daughter asked, 'Why are you sad?'

His son added, 'Tell us, please.'

So the man began, 'I met a troll at the wood's edge, and he promised to build the school. I agreed to give him the Sun and Moon or myself if I could not guess his name by the time he had finished building the school.'

Sighing, the man rested his head in his hands. 'He's nearly half finished and I'm no closer to knowing his name. I'm going to have to go with him. I'm afraid I'll never see you again.'

Fortunately, the man's children were clever beyond compare. They knew a troll would not have offered a bargain lest he was certain he'd win, but they also knew that clever people often tricked trolls.

'It'll be all right, Father.' The son consoled his father as the children looked at each other.

The girl said to the boy, 'We'll save Father.'

* * *

The next morning, the man went out to greet the troll as usual, but this day he asked, 'I suppose a big fellow like you must have a strong name?'

The troll nodded.

The man circled the troll, staring all the while. 'I wonder ... would Ingrid be a fitting name?'

The troll wrinkled his red, bulbous nose at the man, and returned to lugging a thick slab of stone towards the half-finished building.

The man continued as if he hadn't noticed the troll's displeasure. 'Maybe Gretel ...'

The troll picked him up and roared in his face. 'I can squash puny humans with only two fingers, and you suggest a human girl's name? The bravest, strongest trolls have fierce names like Bonegrinder, or One-Eye, or Earthcrusher, and I am the strongest troll in these woods.'

The man smiled at his children (who were hidden behind a shrub). 'Now I know how trolls are named! Nettleclub? Or Throttlehands? Perhaps Toothgnasher?'

The troll roared again, realising he'd been tricked.

* * *

The next morning, the man set off once more, but this time his children crept along with him and hid themselves behind a great boulder.

The troll was already there—hard at work.

The man smiled as he looked at the great progress the creature had made these past four days. 'Why, without your iron arms, we'd have no chance of finishing the school.'

The troll grumbled, 'Iron-Arms is my cousin, not me. Grandmother Slug-Eyes had used that name by the time I was born.'

From behind the boulder, the man's son whispered, 'Tell him that his name is sure to be better.'

The man opened his mouth, but the troll rasped, 'Is that the Sun and Moon I hear behind the stone? Tell them to come closer.'

The man stood, mouth open.

They stepped forward, bravely saying, 'We are his son and daughter.'

Trembling, the man wrapped an arm around each child.

'Are they not your Sun and Moon?' the troll asked. 'Without the Sun and Moon, the sky is dark like a great abyss. Without my daughter, Moss-Toes, I would be in darkness.'

The man wept, for he knew the troll spoke the truth: the children were his Sun and Moon.

* * *

That night, the man and his children talked together in their cottage.

'We do have another clue,' his son said.

His daughter carried the bowls to the table. Excitedly, she added, 'His family uses one describing word and one body word: Slug-Eyes, Moss-Toes, Iron-Arms. Don't you see?'

'We need to figure out what his body part is, and then guess which word goes with it,' his son stated.

For the first time in many hours, the man smiled. Surely his Sun and Moon were the cleverest of children.

'We know it's not his arms.' His daughter furrowed her brow. 'His cousin has that name. So what else?'

'What about his ears?' the man asked.

'No,' his son replied. 'He didn't so much as blink when you mentioned his ears.'

And so they spent the evening describing the troll.

* * *

When the Sun rose, the three tromped to the almost finished school. As they arrived, the troll approached from the woods.

The man called, 'So, we were conversing last evening—'

His daughter added, 'About your great strong back.'

Her brother nodded. 'But I thought your legs were stronger ... Was I right, sir? Are your legs or back stronger?'

The troll snorted. 'The Sun thinks to trick me.' The troll then lashed two sturdy ropes around several thick logs and began climbing to the roof, pulling the logs up after him.

'And you, little Moon, do you think to trap me with your words?'

The children exchanged glances: clearly, their plan was not going as they'd hoped.

Then the man's daughter shrugged. 'Well, since trickery will not work, I suppose we must reason it out.'

The troll gestured to the school. 'This will be built before the night falls, and I'll not be tricked today.'

The man opened his mouth to speak, but his son held up a hand and stated, 'We'd hoped to find what your strengths were, but we shall still reason it out.'

With a bright glint in his eye, the troll looked at them and murmured, 'We shall see.'

So, they began. 'Black-Toes? WormFoot? Thunder-Step? Tree-Legs?'

By midday, they still had no clue as to the troll's name. They continued, 'Crooked-Tooth? FurryEars? Green-Finger?'

Their luck did not improve.

Finally, the troll leapt to the ground and asked quite gently, 'Do you have any last guesses, little Moon?'

'Bone-breaker? Itchy-Skin? Treeumm ...' the daughter spouted a tangled list of names.

'You said Itchy-Skin earlier.' The troll glanced at the boy, 'And you, small Sun?'

The boy opened his mouth; a garbled word spilled out. He looked at his feet and muttered, 'No.'

The troll glanced inquiringly at the man; the man shook his head.

'So, would you like to see the school?' the troll asked.

Then, without waiting for an answer, he ducked into the building. His voice boomed out, 'It'll need desks, I think ... Perhaps small shelves back here?'

In their determination to guess the troll's name, the man and his children hadn't looked very carefully at the school the troll had been building. They followed the troll to the doorway.

The walls and roof of the school were quite fine: there were no gaps between the logs that would let in cold winds in the winter, the roof had no leaks to let in cold rains. The floor was polished stone, smooth under their feet. And in the walls, the troll had left openings for windows.

Around the side they saw strong shutters lashed to the walls—able to be closed to keep in the warmth or open to let in the breeze.

The children murmured, 'Amazing!' and 'Incredible, really!'

The troll beamed.

He turned to the man and asked, 'Well?'

The man stood straight and stated, 'It's fine work, and I am prepared to pay my debt to you.' He glanced at his children, only briefly. 'I can't give you the Sun and Moon, but I am yours to do with as you will—I am a man of my word.'

The son and daughter wept.

The troll nodded. 'Come, then ...'

'We will walk with you, Father,' insisted the children.

So, as the Sun set on the seventh day, the strange troupe set off into the woods.

They had not walked far when a small mountain of a girl came hurtling out of the shadows of the forest. 'Father!'

The troll swept the girl into his arms.

'Are these them?' she exclaimed. 'Ohh! I was so excited when Father told me that you would be coming today! Can you really read? And write? And do sums? Father wasn't sure if you could do sums.'

No-one spoke.

'Are they always slow to answer, Father?' Moss-Toes (for surely it could be no-one else) whispered loudly to the big, old troll.

He whispered, loudly also, back to her. 'I haven't told them yet, my Mossy-girl.'

'Father!' The troll-girl glared up at him. Then she turned towards the man and his children. 'I want to learn. There's no school in the forest, and when I saw you building such a thing, I asked Father to go and help since you—' she ducked her head, and rushed through the next words, '—were going so slowly.'

Eyes wide, the man asked, 'Just what is it you wanted?'

The troll, abashed, muttered, 'Moss-Toes wants to learn, so I thought the Moon and Sun or you yourself could let her join your lessons in the new school ... maybe read books and such.'

They stood there awkwardly until the man's daughter asked, 'So why not just say that to my father?'

'I'm a troll. Would you or your father have believed I meant you no harm if I did not ask for a bargain?' the troll grumbled, cleaning his teeth with a broken branch.

'Probably not,' the man murmured. 'But I suppose I should not have believed the old stories about trolls.'

Finally, the man's son asked, 'So, what is your name?'

'Soft-Heart,' the troll answered, lifting his daughter into his arms and strolling away towards the rather large troll-woman headed their way. 'Come meet the rest of my family.'

MONDAY

18th October 2021



Lesson 7 – Character profile

Students are learning to:

- interpret events, situations and characters in texts
- understand that characters have individual characteristics or can be based on a stereotype.

Learning experience	Resources
Speaking and listening Students explain to an adult what they know about a typical troll character in stories they have read/viewed. After reflecting on or reviewing the character video from lesson 1.2, students discuss the typical flaws and goals of trolls in texts.	Resource 1 – character video [vimeo]
Reading and viewing Students read the text, The Clever Sun and Moon from The School Magazine. Students complete 'characteristics of characters' activity, brainstorming the characteristics of the characters from the text - Dad, Troll, Moss-Toes, Sun and Moon. Students create a 'character profile' in their student workbook for one of the characters- focusing on non-physical characteristics such as feelings, behaviour and motivation.	Resource 6 - The Clever Sun and Moon (online) Resource 2 - Student workbook (DOCX 1.7MB)
Writing and representing The troll in the story reveals in the end that he is not a stereotypical troll. Students rewrite the ending of the story, using the 'stereotypical troll' activity, as if the troll character had remained acting in the typical way we might expect of a troll.	Resource 2 - Student workbook (DOCX 1.7MB)
Reflection Students to discuss the following question with an adult or their class online. How did the reveal of the troll character's identity at the end help make the story more interesting and engaging? Identify the 'twist' at the end of this story and discuss 'twists' in other well-known texts. What is the purpose of this technique? How can a strategy like this help with your own writing?	

Lesson 7

During this lesson you will learn to:

- interpret events, situations and characters in texts
- understand that characters have individual characteristics or can be based on a stereotype.

7.1 Speaking and listening

Explain to an adult what you know about a typical troll character in stories you have read or viewed.

After reflecting on or reviewing the character video from lesson 1, discuss the typical flaws and goals of trolls in texts.

7.2 Characteristics of characters

Read the text, The (Clever Sui	n and Moon	from The	School Magazine.
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Brainstorm the characteristics of the characters from the text.

Dad			
Troll			
Moss-Toes			
0			
Sun			
Moon			

7.3 Character profile

Select one character from the text 'The Clever Sun and Moon'.

Create a character profile for this character focusing on non-physical characteristics such as feelings, behaviour and motivation.

Colootoo	d character:
Selected	i Character.

	Character profile
Feelings	
Behaviour	
Motivation	

7.4 Stereotypical troll

The troll in the story reveals in the end that he is not a stereotypical troll.

Rewrite the ending of the story, as if the troll character had remained acting in the typical way we might expect of a troll.

low would a stereotypical troll behave? Brainstorm some characteristics of a typical troll's ehaviour:
Glaviour.
Rewrite the ending:

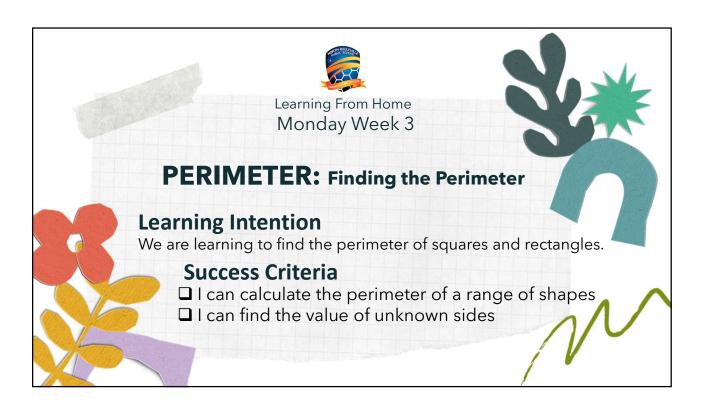
7.5 Reflection

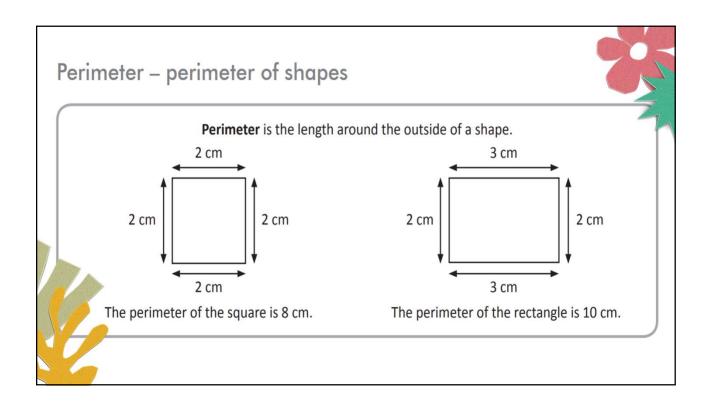
Discuss with an adult or with your class online:

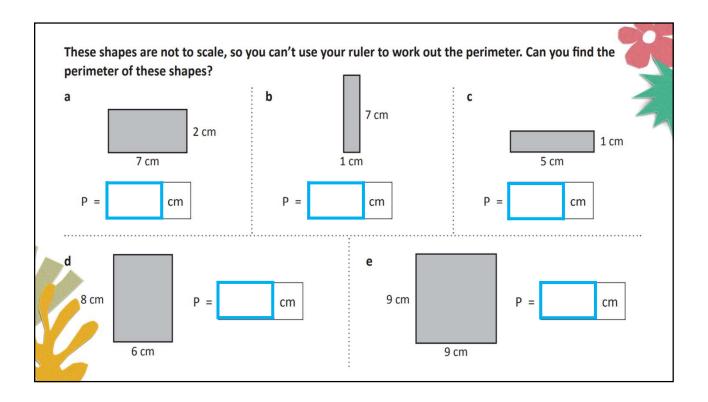
How did the reveal of the troll character's identity at the end help make the story more interesting and engaging?

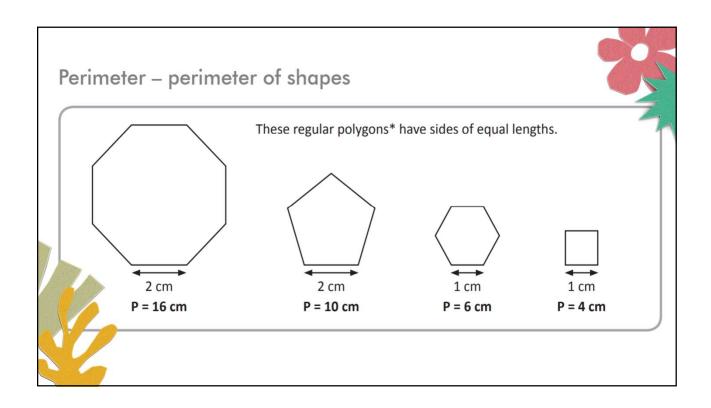
Identify the 'twist' at the end of this story and discuss 'twists' in other well-known texts. What is the purpose of this technique? How can a strategy like this help with your own writing?

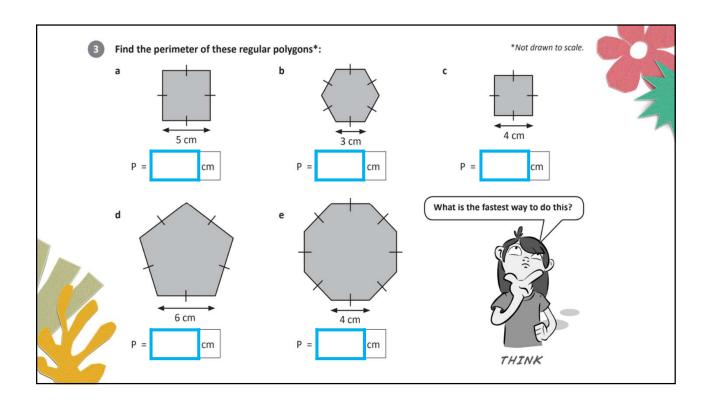


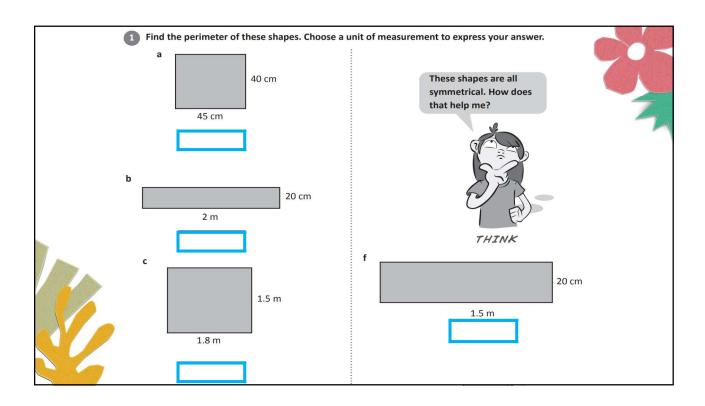


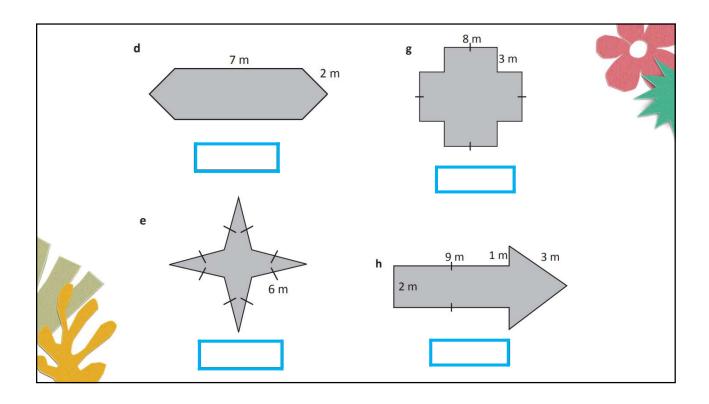


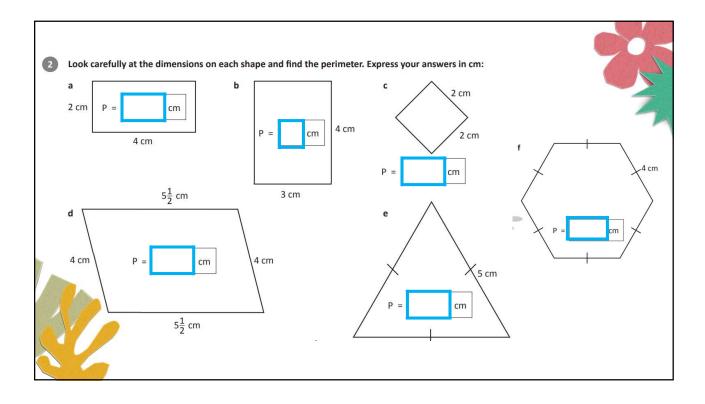


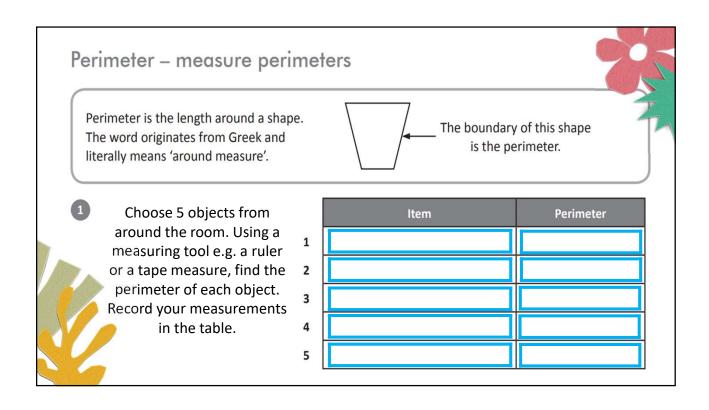












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TUESDAY

19th October 2021



Lesson 8 – Character development

Students are learning to:

- identify and explain how choices in language influence personal response to different texts
- create literary texts that adapt or combine aspects of texts in innovative ways
- understand that characters have individual characteristics or can be based on a stereotype.

Learning experience	Resources
Speaking and listening	
Ask students the following questions.	
Have you seen traditional Aboriginal art before?	Resource 7 –
Where have you seen traditional Aboriginal art?	The story of Djirt by Narritjin
Why do Aboriginal people often use art to tell their stories?	Maymuru [Photograph of
Students observe the Aboriginal artwork, The story of Djirt by Narritjin Maymuru, from the Art Gallery of NSW. The website will provide further information to teachers around the story of the artwork.	painting – Art Gallery of NSW]
Encourage students to describe the artwork and their interpretation to an adult and to focus on descriptive language and the story the artwork is telling. Discuss the use of symbols.	
Reading and viewing	
Students view the online video explaining the definition of similes and metaphors.	Resource 8 - Similes and
Students record a definition for simile and metaphor in their student workbook completing the 'similes and metaphors' activity.	Metaphors (online)
Students reread the text, The Clever Sun and Moon from The School Magazine.	Resource 6 -
Students identify and record the similes found in the text and complete 'similes and metaphors' activity.	The Clever Sun and Moon
The troll refers to the man's children as the Sun and Moon throughout the text, this shows their significant importance to the man. This is known as a metaphor.	(online) Resource 2 -
Students answer the following question about the use of metaphor in the text in their student workbook:	Student workbook
Why did the author choose to have the troll use the metaphor of the sun and moon for the man's children?	(DOCX 1.7MB)

Learning experience	Resources
Writing and representing	
Students develop their own character.	
Ask students to draw and label their character in their student workbook using the 'character' activity.	Resource 2 - Student
Students develop similes and/or metaphors to build their character. Students try to have one of the simile/metaphor descriptions differ from the typical or predictable nature of the character, this will support the character to reveal their true self when used to write a story.	workbook (DOCX 1.7MB)
Reflection	
Students discuss the following questions with an adult or class online.	
What is the impact of the use of simile and metaphor on the text?	
Do you think this is a good way to develop a character?	
Will this character development technique assist you to build a story?	



Resource 7 - The story of Djirt by Narritjin Maymuru

[Photograph of painting – Art Gallery of NSW]

Lesson 8

During this lesson you will learn to:

- identify and explain how choices in language influence personal response
- understand that characters have individual characteristics or can be based on a stereotype.

8.1 Speaking and listening – Aboriginal Art

Discuss with an adult:

- Have you seen traditional Aboriginal art before?
- Where have you seen traditional Aboriginal art? What story did it tell?
- Why do Aboriginal people often use art to tell their stories?

Look at the artwork below - 'The story of Djirt' by Narritjin Maymuru. Examine it carefully.



'The story of Djirt' by Narritjin Maymuru

This artwork is referred to with thanks to the Art Gallery of NSW.

After looking at the artwork:

- describe the artwork to an adult
- what is the story being told?
- discuss the use of symbols.

8.2 Similes and metaphors

Read this factsheet explaining the definition of similes and metaphors.
Record a definition for simile and metaphor.
Simile
Metaphor
You will reread the text, <u>The Clever Sun and Moon</u> from The School Magazine.
Identify and record the similes found in the text:
The troll refers to the man's children as the Sun and Moon throughout the text, this shows their significant importance to the man. This is known as a metaphor.
Why did the author use the metaphor of the sun and moon for the man's children?

8.3 Character

Develop your own character.

Draw and label your character using adjectives, similes and metaphors.

Develop similes and metaphors to build your character. Try to have one of the simile and metaphor descriptions differ from the typical or predictable nature of the character, this will support the character to reveal their true self when used to write a story.

8.4 Reflection

Discuss with an adult or class online:

What impact do similes and metaphors have on the text?

Do you think this is a good way to develop or show a character?

Will this character development technique assist you to build a story?



Tuesday Week 3





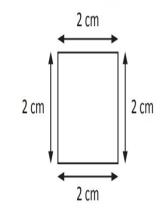
02 Complete any assigned Mathletics tasks.

03 Work on this week's Maths Investigation.

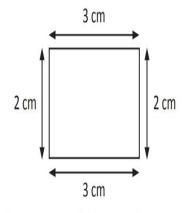


Perimeter – perimeter of shapes

Perimeter is the length around the outside of a shape.



The perimeter of the square is 8 cm.

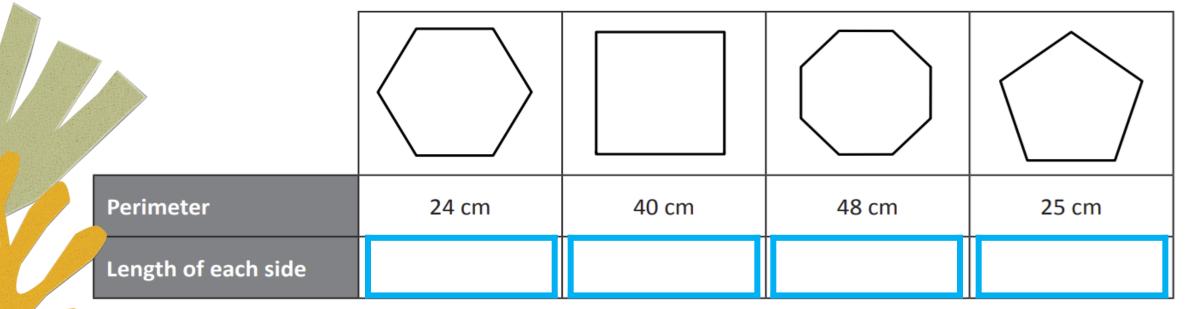


The perimeter of the rectangle is 10 cm.

Find the perimeter of rectangles with the following dimensions:

Length	Width	Perimeter
6 cm	2.2 cm	
12.5 mm	4 mm	
5.54 m	3.56 m	
150 cm	1.3 m	

The perimeters of some regular polygons are given in the table below. Fill in the length of the sides:



Circle the correct perimeter for these rectangles:

a Length 12 cm, Width 8 cm

32 cm	40 cm	20 cm

b Length 14 mm, Width 12 mm

26 mm	52 mm	40 mm
20 111111	J2 111111	40 111111

c Length 8.5 cm, Width 2.7 cm

22.4 cm 112 cm 11.2 cm

d Length 10.2 cm, Width 8.4 cm

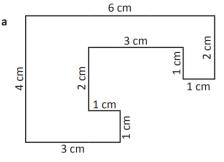
85.68 cm 36 cm 37.2 cm

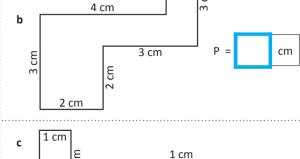
- e Length 22 mm, Width 11 mm
- 6.6 cm 33 mm 60 mm

Perimeter – calculate perimeter

Irregular shapes are not symmetrical. This means we need to measure each side.

2 Find the perimeters of these irregular shapes:



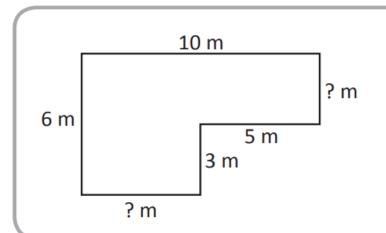








Perimeter – perimeters of composite shapes



Look at this shape. Some of the measurements are missing.

How do we work out the perimeter?

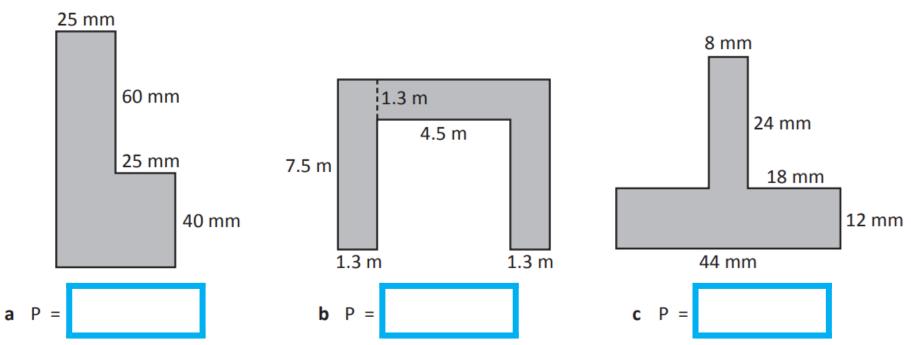
We use the information we have to help us fill in the gaps.

$$5 \text{ m} + ? \text{ m} = 10 \text{ m}$$
 $10 \text{ m} - 5 \text{ m} = 5 \text{ m}$

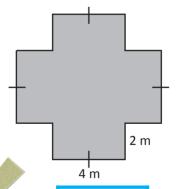
$$3 m + ? m = 6 m$$
 $6 m - 3 m = 3 m$

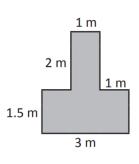
The perimeter of this shape is therefore 32 m.

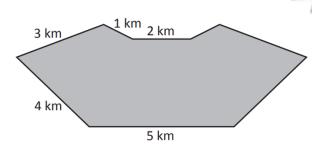
4 Work out the perimeter of these shapes* using the known measurements to guide you:



2 These shapes* are symmetrical. Use this knowledge to help you find their perimeters:





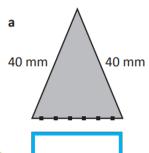




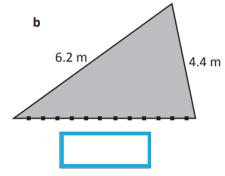


*Not drawn to scale.

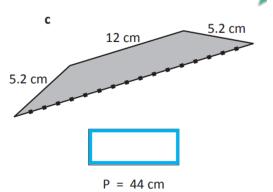
What is the length of the dotted line in each shape*?



P = 110 mm

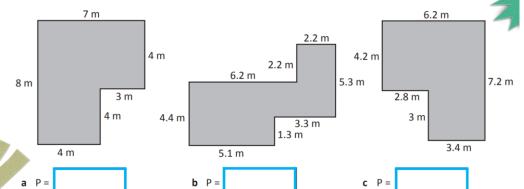


 $P = 16.6 \, \text{m}$



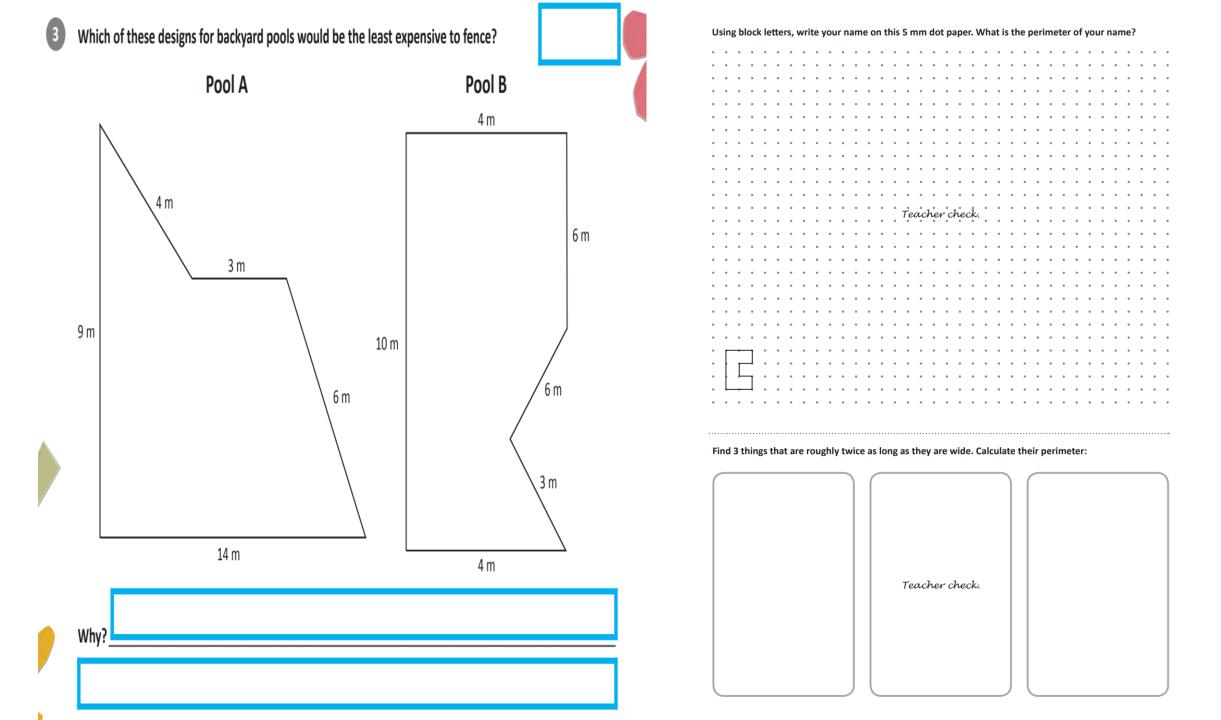
*Not drawn to scale.

1 Work out the perimeter of these composite shapes* by adding the length of the sides:



*Not drawn to scale.

Which of these designs for backyard pools would be the least expensive to fence? **Pool A Pool B** 4 m 4 m 6 m 3 m 9 m 10 m 6 m 6 m 3 m 14 m 4 m Why?



Learning From Home

Take-home Pack



Teachers off-line 12-3pm

Complete the following tasks:

English: Grammar lesson; read a book

Maths: Maths Investigation

If you can access a web-enabled device today, then also complete:

Any unfinished Teams Assignments

Reading Eggs: 2 map lessons & any

assignments

Mathletics: minimum 5 assigned activities

W3: Speech and Dialogue

NEW LINE NEW SPEAKER, SAME LINE SAME SPEAKER.

Building a conversation: DYNAMIC DIALOGUE

Learn how to begin building basic conversations with two characters

Learn how to punctuate and structure a conversation correctly



New line for New speaker/action

When building a conversation between characters, understanding who is speaking is crucial to the story.

<u>Rule 1 – SAME LINE SAME SPEAKER</u>: If the same person is speaking OR completing an action, you keep writing on the same line.

<u>Rule 2 – NEW LINE NEW SPEAKER:</u> If a new character starts to speak OR complete an action, you must now move them to a new line.

Examples:

What not to do:

• "Did you see that movie?" asked Miley. "Sure did. Did you like it?" said Jarryd. "Yeah Jarryd it's my favourite. You?" "Nah not quite. Maybe 2nd favourite."

How do to properly:

- "Did you see that movie?" asked Miley.
- "Sure did. Did you like it?" said Jarryd.
- "Yeah Jarryd it's my favourite. You?"
- "Nah not quite. Maybe 2nd favourite."

Activity 1

Your task is to come up with 3 different basic conversations that use two speakers. 2 speakers, 3 lines of dialogue. An example is below. You can do multiple conversations or repeat as many times as desired.

"Do you want a drink of lemonade?" asked Elina "Sure," replied Thomas, "Are you having some too?" Elina raised her eyebrow, "Of course, its delicious!"

Activity 2

Your task is to write 3 more conversations. This time, you need to add in some actions for each character. It is quite common to leave out the "said", instead using actions to progress the storyline and conversation.

Ethan looked up from his desk at the opening door to see a visitor, "Are you alright Lily?" "Yes Dad." Tossing a soccer ball in her hands, she asked, "Can you come out and play?" "Sure! Let me get my shoes," responded her dad, standing up, stretching his arms wide.

Not identifying the speaker

Quite often when reading, you will come across a conversation where the speaker is rarely identified. This is done through the use of actions <u>AND the NEW LINE NEW SPEAKER rule</u>. See below:

"How did your music lesson go today Sarah?" asked Mum.

Sarah looked out the car window, watching with longing eyes, the music teachers house fading in the distance, "It was great! We learnt about a new chord!"

"What chord?"

"It was the G chord. I had to put my fingers up higher on the fretboard."

"That's wonderful honey."

Activity 3

You now need to write at least 2 different conversations. At some point in the conversation, you DO NOT identify the speaker. You need to ensure that if it is a new person speaking, NEW LINE! An example is below

"Can we go now Dad" mumbled Kevin.

"Soon Kev. Let me just talk to your coach first," said his dad.

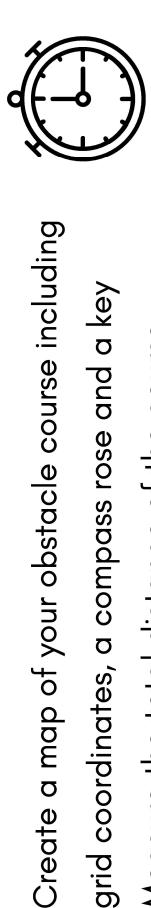
"Ok well make it quick. I hate waiting around. Its boring!"

"I will son, don't worry."

MATHS INVESTIGATION APPLY KNOWLEDGE AND UNDERSTANDING

position | time | data | length

Make an obstacle course in your backyard using equipment found around the house. Use this obstacle course to demonstrate the following skills:



Create a map of your obstacle course including

Measure the total distance of the course

Time how quickly you can complete the course (repeat x5)

Record the times in a table and then create a graph to

represent the results



What other skills can you demonstrate?

THURSDAY

21st October 2021



Lesson 9 – Storyboard

Students are learning to:

- understand that choices in vocabulary contribute to the effectiveness of texts
- create literary texts that adapt or combine aspects of texts in innovative ways.

Learning experience	Resources
Speaking and Listening/Vocabulary Students complete the activity 'defining words' in the student workbook where they will be defining words from The Clever Sun and Moon text. Example vocabulary: crude, vast, haul, ancestors, lest, consoled, bulbous, abyss, glint, abashed. Students select two of the words and explain their meaning to an adult. Students provide some examples of how the words may be used in a sentence.	Resource 6 - The Clever Sun and Moon (online) dictionary
Writing and representing Students complete a comic strip storyboard to develop a story featuring the character they have developed in lesson 8. Students need to remember that the character will reveal their true self at the end of the story.	Resource 2 – Student workbook (DOCX 1.7MB)
Reflection Students discuss the following question with an adult. How have you used what you have learned about character to develop your story?	

Lesson 9

During this lesson you will learn to:

- understand that choices in vocabulary contribute to the effectiveness of texts
- create literary texts that adapt or combine aspects of texts in innovative ways.

9.1 Defining words

Using a dictionary, find the definitions of the following words from' The Clever Sun and Moon' text. Also indicate which part of speech they represent e.g. noun/verb/adjective etc

рани и при при при при при при при при при
crude -
vast -
haul -
ancestors -
lest -
consoled -
bulbous -
abyss -
glint -
abashed -

Select two of the words and explain their meaning to an adult.

Ensure that you provide some examples of how the words may be used in a sentence.

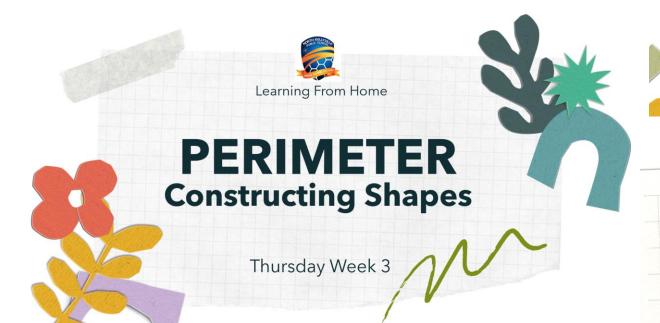
9.2 Story board

Complete a comic strip story board to develop a story featuring the character you have already developed previously. Use as many storyboard rectangles as you need. Remember that the character will reveal their true self at the end of the story.

9.3 Reflection

Discuss the following question with an adult:

How have you used what you have learned about character to develop your story?



Working Online?

Look for the blue boxes!

Every time you see a blue text box, you will be able to click on it to type your answer directly onto the slide.

Learning Intention

We are learning to find the perimetre of squares and rectangles.

Success Criteria

☐ I can construct accurate shapes based on perimeter measurements

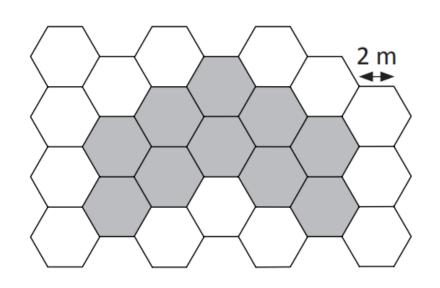
Look carefully at this hexagonal grid.
If the side of each hexagon is 2 m, what is the perimeter of the shaded area?

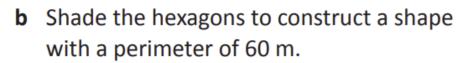
with a perimeter of 36 m.

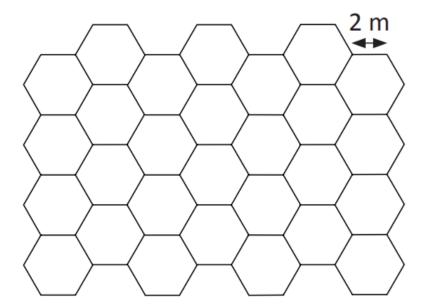
 $P = Number of sides \times 2$

 $P = 26 \times 2$

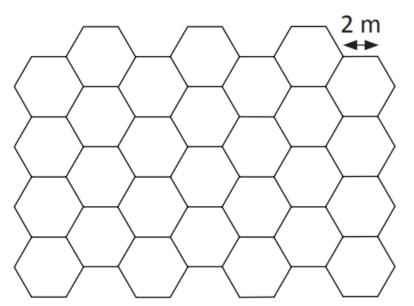
P = 52 m







Shade the hexagons to construct a shape



Perimeter – construct shapes

On the left is a staircase shape. Use the 1 cm dot paper to redraw the shape so that the perimeter is twice as big:







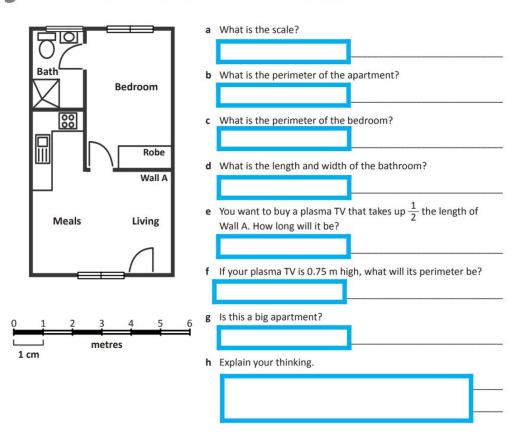


Now draw another version with the perimeter three times as big:

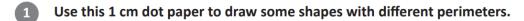
Draw a 2D castle of your own design. In doing so, make sure the perimeter is 150m. Good luck.

4	Now	draw a	nothe	r versi	on wit	th the	perim	eter th	ree tir	nes as	big:						
	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
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Look at the floor plan of the apartment below. Answer the following questions:



Perimeter – construct shapes



a Draw a rectangle with a perimeter of 12 cm.

b Draw a rectangle with a perimeter of 20 cm.

.



Finished?

O1 Check your answers carefully.

O2 Complete any assigned Mathletics tasks.

03 Work on this week's Maths Investigation.

c Draw a rectangle with a perimeter of 16 cm.

d Draw a rectangle with a perimeter of 10 cm.

FRIDAY

22nd October 2021



10 – Narrative writing

Students are learning to:

- compose increasingly complex text
- create literary texts that adapt or combine aspects of texts in innovative ways
- select appropriate language for a purpose.

Learning experience	Resources
Speaking and listening Have a conversation with an adult taking on the character you have created in first person narration.	
Writing and representing Independent writing – written task Success Criteria • composes a complex text demonstrating character development, with a true character reveal at the end • selects and uses consistent author voice throughout the text • uses similes and/or metaphors to enhance the text.	
Students use the character they have created and their storyboard comic strip to write a narrative with a true character reveal at the end.	
Reading and viewing Ask students to read aloud their story to an adult, focusing on expression and audience engagement. Students may record their reading to submit to the teacher online.	
Reflection Students to reflect on the following questions with an adult or online with peers. What are the best parts of your story? How have you grown as a writer?	

Lesson 10

During this lesson you will learn to:

- · compose increasingly complex text
- create literary texts that adapt or combine aspects of texts in innovative ways
- select appropriate language for a purpose.

10.1 Speaking and listening

Have a conversation with an adult taking on the character you have created in first person narration.

10.2 Independent writing

Use the character that you have created and your story board comic strip to write a narrative with a true character reveal at the end.

Remember that the use of similes and metaphors will enhance your character development and description.

10.3 Reading and viewing

Read aloud your story from 10.2 to an adult, focusing on expression and audience engagement.

You may record yourself reading to submit to your teacher online.

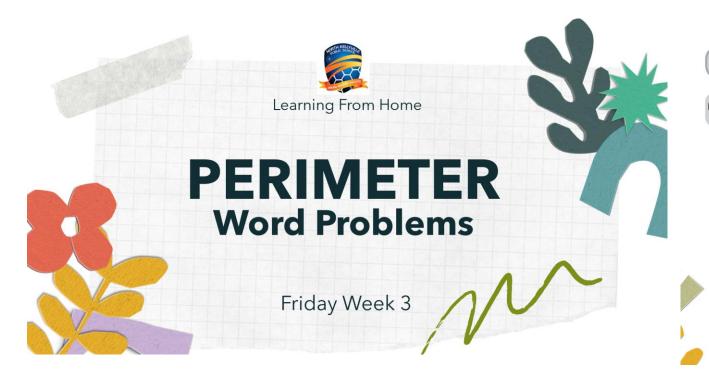
10.4 Reflection

Discuss with an adult or your class online:

What are the best parts of your story?

How have you grown as a writer?





Perimeter problems

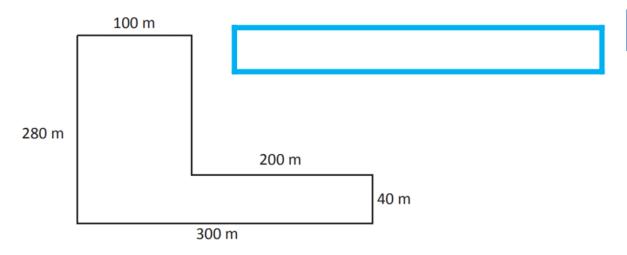
solve



a The length of a rectangle is double its width. Find the perimeter if the width is 200 cm.

b The length of a rectangle is 6 times its width. Find the length and width of the rectangle if the perimeter is 7 metres.

c Charlie ran around the school 3 times. How far did she run? Write your answer in km.



Draw your own irregular shape that has a perimeter of 80m. Now, create 3 questions about it and provide the answers.

d Jake wants to build a fence around his swimming pool to comply with safety regulations. If the length of his pool area is 6 metres and the width is 4 metres, how much will it cost? Fencing costs \$55.50 a metre.

Q1

Q2

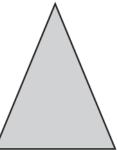
Q3

Solve these perimeter puzzles:

a Look at this isosceles triangle. The base measures 3 m. The perimeter of the triangle is 11 m.

What is the length of one of the other sides?



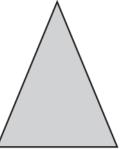


b An equilateral triangle has a perimeter of 15.9 mm. How long is each side?

Each side is



ong.

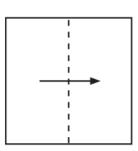


c Farmer Joe needs to re-fence one of his paddocks. The perimeter of the paddock is 144 m. The paddock is twice as long as it is wide.

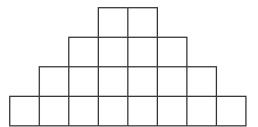
What is its length? What is its width?



d A square piece of paper is divided in half as shown. If the perimeter of one of the halves is 36 cm, what was the perimeter of the original square?

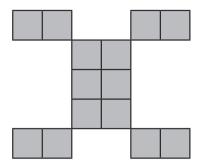


a The area of each square is 9 cm². What is the perimeter of this figure?



Extension **Activity**show your working

b The figure is made up of 14 squares. Each square has an area of 36 cm². What is the perimeter?

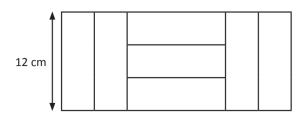




Finished?

- 01 Check your answers carefully.
- 02 Complete any assigned Mathletics tasks.
- O3 Work on this week's Maths Investigation.

c The area of this rectangle is 288 cm². If all the smaller rectangles are exactly the same, what is the perimeter of one rectangle?

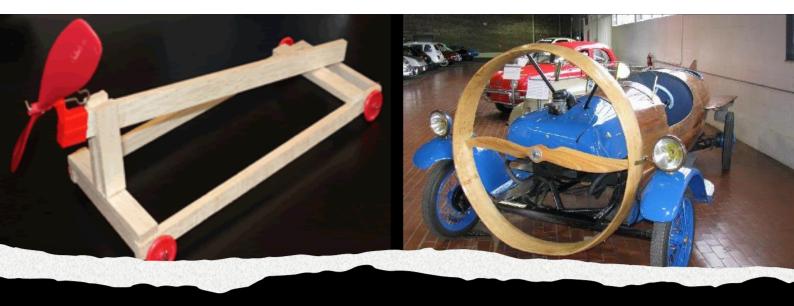


Learning From Home Take-home Pack



Term 4 | Weeks 1-3

SCIENCE



Science and STEM TERM 4

Building a propellerpowered car



Lesson 1: Understanding Forces

Forces

Watch the FIRST video below as an introduction to Forces. There are also additional videos underneath it if you would like to know more about Forces.

https://www.youtube.com/watch?v=RQcLiNwEtLM

Additional videos:

Force in more detail:

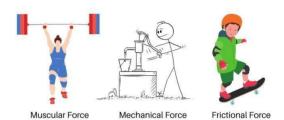
https://www.youtube.com/watch?v=B6mi1-YoRT4

Some forces easily explained:

https://www.youtube.com/watch?v=uZpwzOgRTjc

Reinforcing knowledge:

https://www.youtube.com/watch?v=WCPTKRaScgE



Defining Force

A force is a push, pull or a twist that causes an object to change its motion. It also includes any interaction between two objects.

Forces are always around us, whether you notice them or

A table that sits in the living room is exerting a gravitational force down into the floor, whilst the floor produces a normal contact force. Both are equal, resulting in a table that doesn't move.

Forces have:

magnitude (how hard you might push/pull something) direction (where you push/pull it)

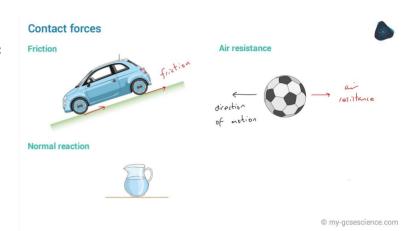
They can also be broken down into contact, and non-contact forces

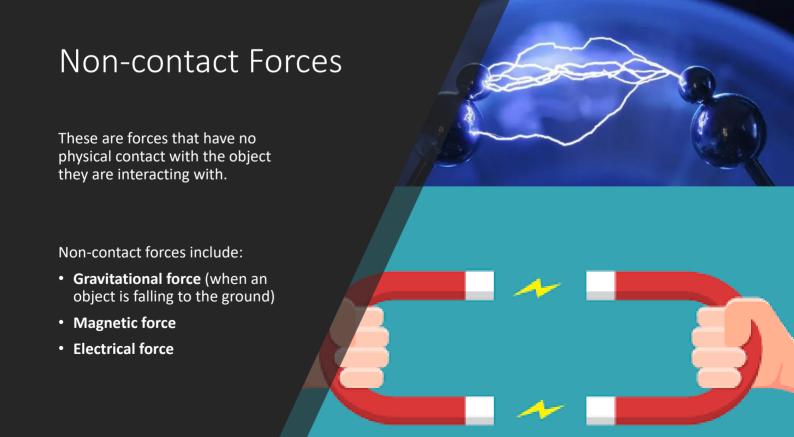
Contact Forces

A contact force is one that physically touches an object. Even in the case of wind, the air is physically interacting with another object.

There are several types of contact forces. These include:

- Applied force (when you might push/pull something)
- Normal force (when the surface is pushing up against gravity to keep an object at rest – think a cup resting on the table)
- **Frictional force** (the ground slowly stopping the rolling soccer ball)
- Air resistance force (air pushing against a moving object)
- Tension force
- Spring Force





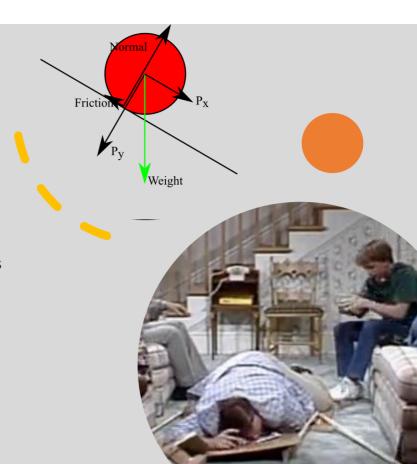
Forces on objects

If two forces are equal, an object will be at rest.

If one force is greater, then an object will be in motion.

Examples:

- A cup on a table has equal gravitation and normal force pushing up
- 2. A heavy weight that falls through the table has greater gravitational force (which also interacts with the mass/weight of an object) compared to the normal force of the table.
- **3.** A kicked soccer ball initially has more applied force to make it move until friction, air resistance and gravity interact and cause it to stop.
- 4. A ball rolling down the hill has greater gravitational force that pushes it down, overcoming the friction and air resistance forces.



Activity 1: Fill in the table

Types of Contact Forces	Types of Non-contact Forces

Activity 2: List the forces

What forces are evident in the following situation?

Example	What different forces?
Bouncing Basketball	Applied force (push), friction, gravitational, normal contact force, air resistance
Resting soccer ball	
Magnet pushing away paper clips	
Water bottle resting on the table	
Man falling through the air	
Air pushing a sail boat	
A ball rolling UP a slight incline	
A cup resting on the table	
The moon moving around Earth	

Activity 3: Objects and force

Answer the following questions.

- 1. Which forces might stop/slow down a moving car?
- 2. What force makes rain fall?
- 3. If there is no friction or air resistance, will a rolling soccer ball slow down?
- 4. Is air resistance a contact or non-contact force?
- 5. Give an example of 'normal contact force'
- 6. What forces are present when a person kicks a football through the air?

Lesson 2 – Energy



Forms of energy

Energy can be defined as, "the ability to do work."

We can go one step further and say that energy can exert a force which causes a displacement (movement) of an object. This displacement is known as 'doing work'

How does energy relate to force?

Watch the first 3 minutes of this video:

https://www.youtube.com/watch?v=qYTe8TTXSes





Can energy "disappear"?

- No, Energy can be neither created nor destroyed,
- Energy can be converted from one form to another. (First law of thermodynamics.)
- https://www.youtube.com/watch?v=10FlW80XN64



The Two states of Energy

- **Potential** energy
 - ° is energy **stored** in an object due to its position or arrangement.
- **Kinetic** energy
 - is energy of an object due to its **movement** its motion.



Difference between Potential and Kinetic Energy





List the forms of Potential and Kinetic Energy

Potential Energy	Kinetic Energy
Chemical	Radiant
Mechanical	Thermal
Nuclear	Motion
Gravitational	Sound
	Electrical



Activity 1 - Research

Research information on the types of energy below and find out what they mean.

Chemical
Mechanical
Nuclear
Gravitational
Radiant
Thermal
Motion
Sound
Electrical



Activity 2

Answer the following questions on energy. You may have to research to find the answer

- 1. What is the difference between kinetic and potential energy?
- 2. Wind power/energy is a type of Solar energy. Why is this?
- 3. We will be focusing on using wind power to move our cars. Is this potential or kinetic energy being used?
- In our STEM project, we will be using a rubber band to help turn a propeller. What type of energy is being used to help create the twisting force in the rubber band?
- If the rubber band creates the force, then increasing the energy from the band will increase the speed/force of the propeller. How can we increase the energy delivered from the rubber band?



Activity 3 - Optional

You have probably heard about the Earths problem with burning fossil fuels and using non-renewable energy.

In this activity, you need to find some renewable energies that Australia could use in the future.

You will likely find types of 'energies' that were not on the list on slide 16. That is because the energies you find are a type of gravitational, chemical, nuclear energy etc.

What you need to do in this activity, is find 2-3 renewable types of energy and identify what branch of energy they come under. A fake example is given below:

Solar energy is a renewable source of energy, and it is a type of Nuclear energy.

Lesson 3 – Friction and Air Resistance



Friction

Watch these two videos:

- 1. https://www.youtube.com/watch?v=whlf-0gY1ho
- https://www.youtube.com/watch?v=qN0V 0NXV3Kw

Friction is what pushes back on objects when they move along the ground.

Friction explained

Different types of surfaces have less or more friction than others. A smooth surface (like ice or tiles) has less friction than the rough surface of grass. Less friction means more chance of slipping. What surfaces are easier to drive on?

No friction means you would slip over AND objects would not stop moving

Less contact with the floor would decrease friction, whilst more contact would increase friction. *Does that mean more* wheels or less wheels make a car go faster?

Activity 1 - Friction

- 1. What is your definition of friction
- 2. What would happen if there is no friction on an object?
- 3. Do you think a circular car wheel (compared to a different shape) increases or decreases friction? Why?
- 4. If you move faster down the slide, does that mean there is more, or less friction?
- 5. Find two objects in your house. Use an applied force (pushing) to move them across the kitchen bench. Which object goes further and why?
- 6. Which has faster acceleration, an F1 car or a Superbike? Why?
- 7. Which has less friction and how do you know:
 - a) Sliding on the school hall in shoes
 - b) Sliding on the school hall in socks

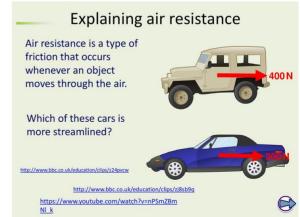


Air Resistance

Air resistance is what you feel when you wind down the window of a moving car. The air around the car is in constant contact and pushes/pulls the car in certain ways. The air resistance increases the faster that you move.

Watch this link on air resistance!

https://www.youtube.com/watch?v=Z0eJBtAnUxY



How do we decrease air resistance

One of the important aspects we need to do in building our Propellor-powered car is in air resistance.

If we want to go faster, do we increase or decrease air resistance?

How do we increase/decrease air resistance?

If you want to know more, you should investigate why race cars and super cars look the way they do. Do they increase or decrease air resistance? How?

Reducing air resistance We can design the shape of an object, for example a car, so that it will pass through the air with little air resistance. This is called streamlining. Which is the more streamlined?



ACTIVITY 2 – AIR RESISTANCE

In this activity you can do several experiments to test air resistance.

Gravity affects all objects the same way. So all objects fall at the same speed, regardless of their weight. The only thing that changes the fall of an object is air resistance.

Falling faster = less resistance

Falling slower = more resistance

Check out the following slides to see the different types of experiments you can do that might help you with building your car!

Experiment 1: Falling paper

Air resistance Try doing this quick air resistance experiment! Drop two pieces of paper from the same height, one flat and one crumpled up in a ball.

Which piece of paper falls faster? Why?



Plenary

Experiment 2: The Tissue box and Ruler

Step 1: Hold a ruler by its tip next to a rectangular tissue box and drop them at the same time from a height of 2 meters or more.

Then compare



Step 2: Hold a ruler so the flat side is parallel to the floor next to a tissue box with the smaller side facing the floor and drop them at the same time from a height of 2 meters or more.



What hits the floor first and why? Why are the two different?

Experiment 3: The falling shopping bag

Step 1: Get two plastic/paper bags that are exactly the same. Turn one upside down so it looks like a parachute, while the other bag is the normal way up.

Step 2: Drop both bags from a height of around 2 metres

Which one hits the ground first and why?

What is happening with the air in relation to the bags?



Experiment 4: Observation of a vacuum

What happens to feathers when there is no air resistance?

Do they fall faster or slower than a bowling ball?

Check out the experiment below done at a NASA site.

https://www.youtube.com/watch?v=E43-CfukEgs

Why did the objects fall as they did?

How much impact does air resistance have on moving objects?



Activity 3

Understanding how friction and air resistance will affect a moving object

- Why does a flat piece of paper fall slower than one that is scrunched up?
- 2. Why would a face down pen fall faster than a book?
- 3. Why do faster cars look sleek?
- 4. What will make a car go faster:
 - a) Reduce air resistance and friction
 - b) Increase air resistance and friction
- 5. What could you do to your designed STEM car to help reduce air resistance?



How does this relate to our STEM project?

We have learnt about different types of forces and energies.

In your STEM project, you will need to use this knowledge to help design a propellor-powered car. It needs to be fast and powerful. Both energy and force are required to propel the car. You need to work out how to increase or decrease different forces and energies to maximise the potential of your car!

You will begin this upon your return to school.

There will be 3 areas of competition:

- 1. Fastest car over 5metres
- 2. Fastest car over 10metres
- 3. Longest running car

Learning From Home Take-home Pack



Term 4 | Weeks 1-3

PDHPE & Creative Arts



Go for a walk/run/play with a trusted adult (Keep COVID-safe)

Play a board game with family or friends

Keep a daily gratitude journal

Build/make/fix something

Choose water as a drink.

And drink more of it!

Go outside and stand/sit with your bare feet on/in a natural surface for at least 5 minutes

Look back at old photos/videos of when you were younger.
Notice how amazing you are and how much you've changed!

Create and complete a 20-30 minute physical fitness circuit.

Challenge another family member to do it too!

Limit your screen time to just your remote learning activities.

JUST DANCE!

(You know what I mean!)

Try something new...

Maybe a food, activity or chore

Express Yo'self

- Journaling
- Art
- Songwriting
- Poetry
- Flipgrid/Canva etc

WRITE

MAIN COURSES

THE CLASSIC / 10

Write a factual recount of your holidays

THE CLASSIC WITH A TWIST / 20

Write an imaginative recount of your holidays

BURGER TALK / 30

Write a recipe for a burger of your creation.

PS: I'll have fries with that!

HEART-STARTER / 30

Write an article for a health and fitness magazine that will persuade people to reduce their screen time include more exercise in their daily lives.

Max length - 1 A4 page.

CRYSTAL BALL / 40

Write a letter to your future, adult self reminding them of what life was like in 2021.

Min. length - 1 A4 page

TASTERS

THE OPENING / 20

Write an opening paragraph for a novel where you are the narrator. Conditions apply: no weather or weapons allowed in the content

CHARACTERISATION/20

Write a description of a human character of your creation.

Tips: include physical attributes, personality, background, age etc optional extra: Draw an illustration

CONVERSATION / 30

Write a short script for a conversation between two people.

Scenario ideas:

- meeting for the first time;
- opposing football team supporters;
- dentist and patient

DESSERTS

HAIKU / 15

Write a Haiku based on a theme of your choice

LIMERICK / 15

Write a limerick based on you!

FREEFORM / 25

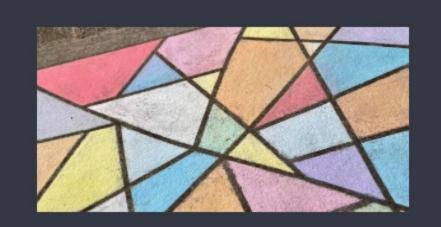
Take any form of poetry to write your own poem or create your own form of poetry!

WRITING MENU

HOW MANY POINTS WILL YOU COLLECT?

BON APPETIT!

CAPA Activity Options

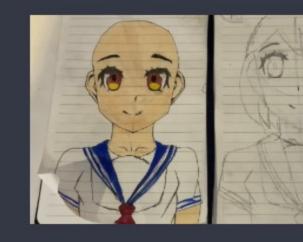


Use masking tape and pavement chalk to create an artwork inspired by the work of Melinda Harper.

Recreate the Dance of the Cygnets scene from the Swan Lake ballet. Your version can be beautiful or funny.



Learn to draw an anime-style portrait.
Create a male and a female character.



Take photos of natural materials (stones, bark, leaves) and use 3 adjectives to describe the textures of each.

Memorise a poem and practice reciting it in a dramatic way before performing it to your family tonight.

Play charades with your family. For the sake of working household members, plan during the day to play at night.

Collect a variety of tins, lids and jars. Use them to make a drum kit. Experiment with sounds and record a beat.



Search for the video
Evolution of Dance Dancing Through Time.
Mimic the moves from
the video. Repeat.

PDHPE Activity Options

Make an obstacle course or exercise stations to move between, using different parts of the body.



Sit against the wall on an invisible chair. Hold a plank position with feet raised on a chair., Dance along to the film clip for Praise You by Fatboy Slim. It will get you moving and laughing.

Practice meditation and mindfulness through movement. Free online and Pilates lessons can guide you. .

Weed the lawn while you breathe fresh air and soak up some vitamin D from the sunshine.

Search for the Active @ Home lessons on the Department of Education website.



What separates privilege from entitlement is gratitude.

BRENE BROWN

Start a gratitude journal.
Start by listing all the things you're thankful for.

Run, ride or skate laps of your block for 30 minutes. Stick to the path if you can.

Create a healthy meal plan for a whole week for the family and make a shopping list for it.