



Stage 3
Home Learning Book
2021

English



Writing Lesson 1

Story starter

On a quiet day, you can sometimes hear them. Every now and then, there's a tapping or a scraping or a rustling from behind the door. Occasionally (if you're patient enough to sit for the whole day and watch) movement can be glimpsed through the dark windows. Once, just once, the faint sound of whispering in hushed tones was heard.

The boy had spent his entire summer holidays wishing for something to emerge from the mysterious door. He had spent yet another sunny morning hiding in the tall grass at the bottom of his garden just staring at the door, hoping to catch a glimpse of something or someone extraordinary.

The moment he had been waiting for had finally arrived...The door began to slowly creak open...

Can you continue the story with the next 100 words?

Question time

- What will emerge from the tiny door?
- How will the boy react to seeing it emerge?
- 'The Borrowers' is a book by Mary Norton about little people called 'Borrowers' who borrow things from people's houses. What do you think the difference is between borrowing and stealing?



Sentence challenge

These sentences are 'sick' and need your help to get better. Please help.

The boy lay in the grass. He looked at the door. It opened. He gasped.

Writing Lesson 2



Starter

6AM: I left the house on my own, wrapped up in my warmest coat (which I wear every day) to make the 3km trip. I met up with other children from my village and we huddled together beneath the mountain to keep warm, waiting for the last couple of stragglers to arrive.

As soon as we were all together, two of the dads put their sledges and emergency packs on their backs and we set off for school...

Write a short diary entry for one of these children, describing their journey to school.

Question time

- Do you think the children in the picture find the journey to school difficult?
- What do you think their school is like? How might it be similar/different to yours?
- Who are the adults in the picture? What do you think they are carrying?
- Where in the world do you think the children are from?



Sentence challenge

These sentences are 'sick' and need help to get better. Please help.

It was very early. We walked across the ice. It was cold.

Grammar/Punctuation challenge

An ellipsis is often used to create suspense.

For example:

Thump...Thump...Thump...Harry's heart pounded inside his chest...

Write a short paragraph about what happens next and leave it on a cliffhanger.

One of the sentences should need an ellipsis.

Writing Lesson 3



Story starter

The storm had been raging for hours. Like a besieging army tormenting an enemy's ramparts, the waves battered on the lighthouse walls.

A group of men huddled in one of the cylindrical shaped rooms, flinching every time a wave rocked the lighthouse. Their hearts were in their mouths with every devastating blow: they half expected the walls to come tumbling down at any moment.

They turned their heads and listened to the sound of the storm. What they heard was truly terrifying...

Continue the story by writing the next 100 words.

Question time

- What is the purpose of a lighthouse?
- How do you think someone first invented lighthouses?
- Can you think of an alternative way to guide ships?
- Do modern lighthouses require people to work inside them?



Grammar/punctuation challenge

Explain the following phrase:

‘their hearts were in their mouths’ mean?

Write other metaphors that convey a similar emotion.

Mathematics - Lesson 1 (choose only Mild, Hot or Spicy)

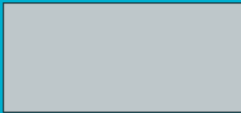


Area of Squares & Rectangles in cm^2 or m^2

Area = Length x Width, Formula - $L \times W = \text{Area}$ _____ cm^2 or m^2

1.

6cm



12cm

2.

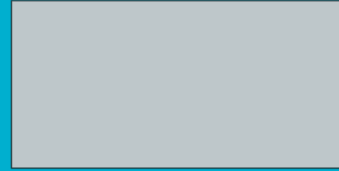
9cm



9cm

3.

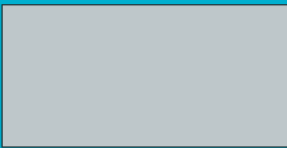
8cm



16cm

4.

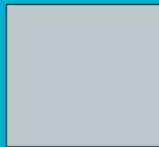
7m



14m

5.

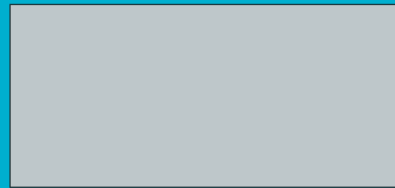
8m



8m

6.

9m

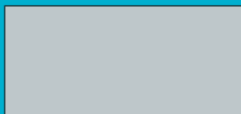


Area of Squares & Rectangles in cm^2 or m^2

Area = Length x Width, Formula - $L \times W = \text{Area}$ _____ cm^2 or m^2

1.

23cm



46cm

2.

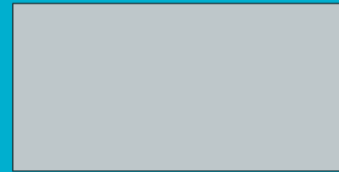
46cm



46cm

3.

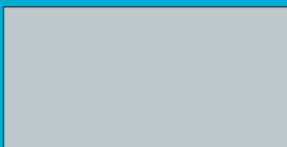
28cm



56cm

4.

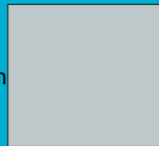
15m



30m

5.

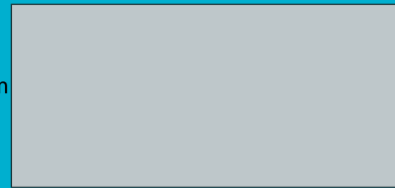
24m



24m

6.

66m



Area of Squares & Rectangles in cm^2 or m^2

Area = Length x Width, Formula - $L \times W = \text{Area}$ _____ cm^2 or m^2

1.

168cm



336cm

2.

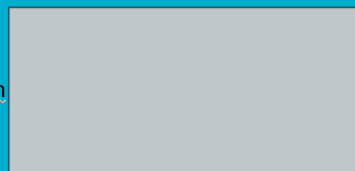
474cm



474cm

3.

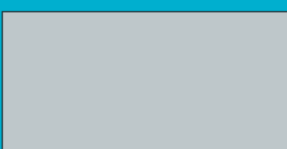
197cm



394cm

4.

278m



556m

5.

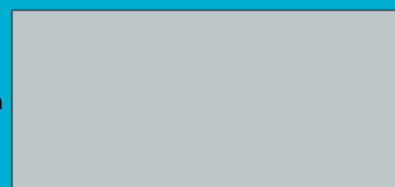
548m



548m

6.

259m



518m

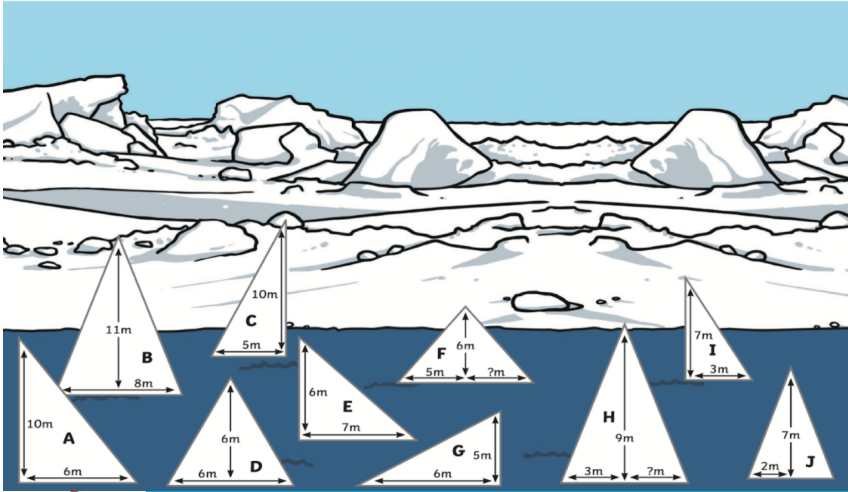
Mathematics - Lesson 2 (choose only Mild, Hot or Spicy)

Area of Triangle = Area of Rectangle divided by 2



Area of a Triangle

Work out the area of these icebergs.



A=
B=
C=
D=
E=
F=
G=
H=
I=
J=



Area of a Triangle

Work out the area of these icebergs.

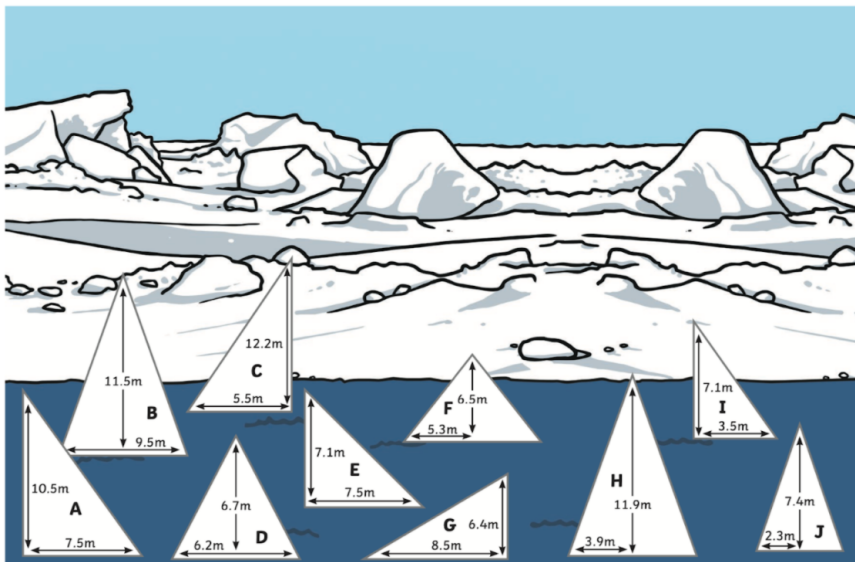


A=
B=
C=
D=
E=
F=
G=
H=



Area of a Triangle

Work out the area of these icebergs.



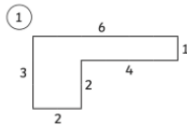
A=
B=
C=
D=
E=
F=
G=
H=
I=
J=

Mathematics - Lesson 3 (choose only Mild, Hot or Spicy)

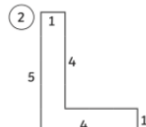


Compound Area

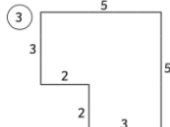
Find the area of the compound shapes.



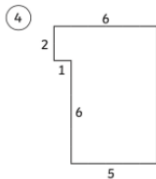
_____ cm²



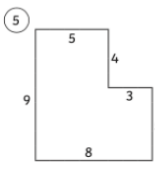
_____ cm²



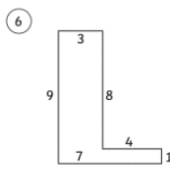
_____ cm²



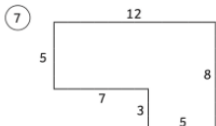
_____ cm²



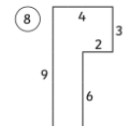
_____ cm²



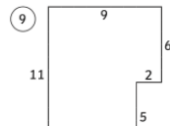
_____ cm²



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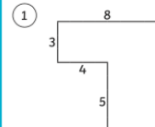


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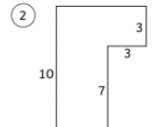


Compound Area

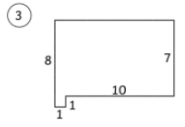
Find the area of the compound shapes.



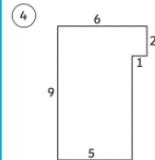
_____ cm²



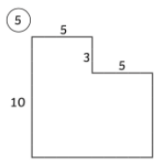
_____ cm²



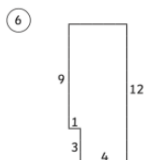
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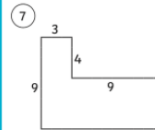
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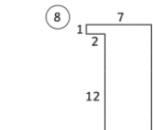
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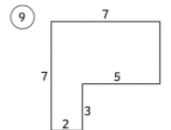
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_____ cm²



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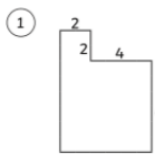


_____ cm²

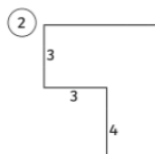


Compound Area

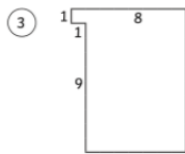
Find the area of the compound shapes.



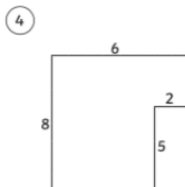
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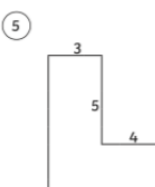
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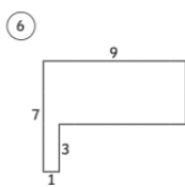
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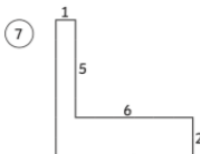
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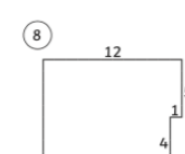
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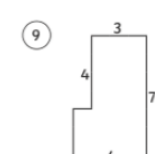
_____ cm²



_____ cm²



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_____ cm²

Mathematics - Optional word problems

1. Monday of this week, June 21st, is the shortest day in 2021 across Australia – it has the least number of daylight hours. In Sydney, the sunrise will be at 7:00 am, and the sun will set 9 hours and 54 minutes later. At what time will sunset occur in Sydney on 21st June?



2. Pop singer Taylor Swift is doing something unusual in 2021. She is re-recording each of her first six albums, mainly for copyright reasons. If there are 12 songs on each of those albums, how many songs is she re-recording altogether?

3. Aussie champion swimmer Ariarne Titmus came close to swimming the 200-metre freestyle event in world record time last week. Is 200 metres **MORE** than half a kilometre? Or is it **LESS** than half a kilometre? By how much?



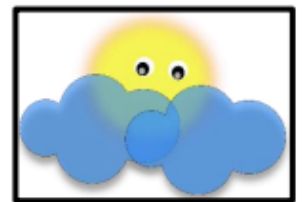
4. Children's author and TV star Andy Lee has a new TV show, "THE HUNDRED". In the show, they have a huge TV screen with 100 Australian families showing. If 17 of those families have already appeared in the show, how many have **NOT** yet appeared?

5. One shop is selling top quality UGG BOOTS this week at the special price of \$139 per pair. This is a saving of \$60 per pair. What is the "normal RRP" of a pair of these Ugg boots?



6. Comedian Dave Hughes is a great fan of MILO. So, he is in search of "THE GREATEST MILO RECIPE". What FRACTION of all the letters in that title is the letter "E"? (If YOU have a great Milo recipe, email it to Dave Hughes!!)

7. The TOP temperature in Alberto's schoolyard last Wednesday was 28°C. The lowest temperature that day was 13°C less than the top temperature. What was the lowest temperature?



8. One discount store is advertising a basket of goods at \$29.83. They claim this is \$23.99 CHEAPER than their main competitor. If that is true, what was their competitor's price?

9. Open-ended Question: Robert, in Year 4, is 8 cm taller than Tanya. What **MAY** be the height of each of them?



Mathematics - Optional word problems

1. Ricky's class split up into groups, and measured the perimeter of a certain hall at school. The result from Group A was 63.5 metres, Group B had 62.8 metres, Group C had 63.4 metres and Group D had 63.6 metres. What was the **AVERAGE** result? Round your answer to the nearest tenth.



2. Generous wealthy American MacKenzie Scott has donated \$2.7 billion dollars to 286 charities worldwide. **IF** she shared the money equally between those charities, how much would each of those charities have received?

3. Two old Australian coins fetched \$1.5 million each recently at a coin auction in Monaco. Write down the total value of these two coins at that auction, in figures.



4. More people like chocolate ice cream than banana. The same number of people like banana flavour and strawberry flavour. More people like strawberry than vanilla. Which is the most popular flavour? Which flavour is least popular?

5. Children's author and TV star Andy Lee has a new TV show, "THE HUNDRED". They have a 27 square metre rectangular screen with 100 Australian families on screen. What **AREA** would each of those 100 families have on that screen, if they are all of equal area? Express your answer in square centimetres.



6. Dan and his dad really love hiking! Their latest hike started at 10:15 am and finished at 3 pm. For how many hours and minutes were they hiking? And if their average walking speed on the hike was $2\frac{1}{2}$ km per hour, how far did they actually hike, in **METRES**?

7. Well-known company McDonalds has now been in Australia for 50 years last Friday, 18th June. How many **DECADES** are there in 50 years?



8. Alexander's pay TV company offers channels 2 to 346. How many of those channels **BEGIN** with a 4?

9. **OPEN-ENDED QUESTION:** Tom is trying to think of numbers between 3 and 5 that have 4 as a factor. He can use decimals. What numbers **MAY** he choose?



Adaptation Activity Sheet

Animals and plants adapt to the environment that they live in. This means that over time they change to make themselves best fit the conditions of their habitat.

Those who live in the Arctic, where it is bleak and very cold and those who live in the desert where it is very hot and dry, are well adapted to these harsh conditions. If they were not they would not survive.

Animals that are prey hide from predators as this helps them survive. The fur of some animals is adapted to its habitat. This is called camouflage.

Fill out the table below with plants and animals that live in the five habitats.

Garden	Desert	Urban	Forest / Wood	Sea

worm shark lobster ladybird
deer owl rat oak tree
woodlouse squirrel
snail camel flower
dandelion pigeon seaweed

Adaptation Activity Sheet

Choose one plant or animal from each habitat and find out how it adapted to its environment.

Garden

Desert

Urban

Forest / Wood

Sea

HSIE (Geography) - Factors that shape places



Observe

- What natural features do you see?
- What built features do you see?
- What types of vehicles do you see?
- What is being advertised on the sign?

Infer

- What do you think is being built?
- If the picture was zoomed out what other features would you see?
- What do you think this place looked like in the past?
- What do you think this place will look like in the future?

Formulate questions for geographical inquiry

- What is an urban place?
- Where are the urban areas located in Sydney?
- Why are the urban areas where they are in Sydney?
- Why care? How has the expansion of Sydney's urban areas changed the natural environment? How will this continue into the future?

Great Barrier Reef, Ningaloo Reef and Shark Bay Information Sheet

Read this information sheet before answering the comprehension questions.

Great Barrier Reef

- The Great Barrier Reef is located off Queensland's coast, in the Coral Sea.
- It is the world's largest coral reef system, stretching over 2000km.
- The Great Barrier Reef is listed a World Heritage Site due to its environmental importance and unique natural attributes.
- Over 1600 species of fish, 5000 types of mollusc, 125 species of shark and stingray can be found as part of the Great Barrier Reef's diverse wildlife, as well as 30 types of whale, dolphin, porpoise and dugong.
- Visitors to the Great Barrier Reef can swim, snorkel, dive, sail, fish in designated areas and take scenic flights.

Ningaloo Reef and Shark Bay

- Ningaloo Reef and Shark Bay are located on the north-west coastal region of Western Australia and both are listed as World Heritage Sites.
- Ningaloo Reef stretches 260km and is home to a variety of marine wildlife, including whale sharks and manta rays.
- Shark Bay has exceptional natural features, including diverse seagrass beds and stromatolites (deposits that are said to be the oldest lifeforms on Earth).
- Visitors to Ningaloo Reef and Shark Bay can snorkel, dive, sail, watch wildlife and camp.



Comprehension Questions

Read the information sheet on the Great Barrier Reef, Ningaloo Reef and Shark Bay and answer the following questions.

1. Where in Australia would you find the Great Barrier Reef?

2. Off the coast of which state would you find Ningaloo Reef and Shark Bay?

3. Fill in the blanks:

The Great Barrier Reef, Ningaloo Reef and Shark Bay are all

W _____ H _____ S _____.

4. The Great Barrier Reef is the world's longest reef system stretching over 2000km. How long is Ningaloo Reef?

5. What kinds of marine life would you find at the Great Barrier Reef and Ningaloo Reef?
Name five.

6. Which two exceptional natural features would you find at Shark Bay?

7. What are two activities that you can do at the Great Barrier Reef and Ningaloo Reef?

8. What is an interesting fact you learned about the Great Barrier Reef?

