

Year 4

Workbook

Week 5, Term 3








Name : _____

Class: _____



Year Four

Continuity of Learning - Learning at Home Program, Term 3 – Week 5

Week 10	Monday	Tuesday	Wednesday	Thursday	Friday
Morning	<p>Task: Make your bed, tidy your room and brush your teeth! Everyday! (10 mins)</p> <p>English Task 1: Spelling Write your weekly spelling list (look, cover, write, check) Complete activity- Magazine Words - use a magazine or newspaper to cut out the letters for spelling your words. Stick them into a book or on a piece of paper.</p> <p>Task 2: Reading Read a book from your home library or log in to Get Epic.</p>  <p>Write down your favourite part of the story.</p>	<p>Task: Help hang out the washing.</p> <p>English Task 1: Spelling Write your weekly spelling list (look, cover, write, check) Complete Activity- Rainbow words- Write your list out in rainbow colours.</p> <p>Task 2: Reading Read a book from your home library or watch a book reading from Storyline Online.</p>  <p>Write a character analysis of your favourite character.</p>	<p>Task: Set the table for breakfast.</p> <p>English Task 1: Spelling Write your weekly spelling list (look, cover, write, check) Complete Activity- Rhyming Words- write as many words as you can that rhyme with each of your spelling words.</p> <p>Task 2: Reading Read a book from your home library or log in to Get Epic.</p>  <p>Write about the setting of the story.</p>	<p>Task: Wash up the dishes after breakfast.</p> <p>English Task 1: Spelling Write your weekly spelling list (look, cover, write, check) Complete Activity- Pyramids- use your words to make spelling pyramids by adding one letter each time.</p> <p>Task 2: Reading Read a book from your home library or watch a book reading from Storyline Online.</p>  <p>Retell the story to your family member using first, next, lastly.</p>	<p>Task: Help with some gardening.</p> <p>English Task 1: Spelling Write your weekly spelling list (look, cover, write, check) Complete Activity- Tongue Twisters- Write a tongue twister for each of your spelling words.</p> <p>Task 2: Reading Read a book from your home library or log in to Get Epic.</p>  <p>Write and draw about something you have learned from your book.</p>



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	 <p>Task 3: Writing Rewrite a familiar Fairy Tale that you know. Remember to include an orientation, complication and resolution. Challenge: add a twist to the ending.</p>	 <p>Task 3: Writing You are a reporter for a television show. You are going to interview the Prime Minister. Write questions that you would ask him.</p>	 <p>Task 3: Writing Describe someone that is a hero to you. Why are they a hero to you? Explain what they do and how that affects you.</p>	 <p>Task 3: Writing Which character from a book would you most like to meet and why? What would you ask them? Describe your favourite character.</p>	 <p>Task 3: Writing If you had \$100,000, how would you spend it? What would you buy? Would you give any to charity? What charity would you give some to and why?</p>
<p>Break</p>	<p>Movement and Fruit Break Game of catch</p>	<p>Movement and Fruit Break Bounce a tennis ball on a tennis racket.</p>	<p>Movement and Fruit Break Use a Hula Hoop.</p>	<p>Movement and Fruit Break Put out some buckets as markers and run around them. Time yourself.</p>	<p>Movement and Fruit Break Complete laps around your backyard. Time yourself.</p>
<p>Middle</p>	<p>Mathematics Task 1 - Multiplication and Division Draw pictures in an array to represent 3×3, 4×6 and 6×8. Write a number sentence to explain each drawing. Why did you choose those pictures? Select 3 more multiplication questions of your own and draw pictures to represent them. Task 2 - Statistics and Probability Create a table with the following headings: Certain,</p>	<p>Mathematics Task 1 - Area Draw a basic map of your bedroom. Pace out the length and width of the room. Work out how many paces square your floor is (multiply the length by the width). Get someone else to pace out your room. Compare the measurements. Why are there differences? What type of measurement could we use instead to make it accurate? Task 2 - Addition and Subtraction</p>	<p>Mathematics Task 1 - Number Choose a number between 10 000 and 99 000. Use words and pictures to create a poster showing as much information about the number as possible. How is the number made? What combinations of smaller numbers can create the larger number? Task 2 - Measurement Find 10 items around the house and measure the length of them in cm and mm. Next, order the</p>	<p>Mathematics Task 1 - Number Create number sequences that decrease by 4, 7 and 8. Make sure there are at least 10 numbers in each sequence. Start each sequence with the number 120. Task 2 - 2D Shapes Draw a symmetrical picture or pattern of your own choice. Colour your picture or pattern, making sure that the colours maintain the symmetry.</p>	<p>Mathematics Task 1 - Number How many ways can you represent the fraction $1/2$? Use words and pictures to create a poster showing as much information about this fraction as possible. Task 2 - Statistics and Probability Using pegs or Lego or colourful object. Sort them into colours and write a tally table of the colour sort. Draw a column graph, write 5 questions to ask about the</p>









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	<p>Likely, Unlikely, Impossible. List at least 5 events that would belong under each heading. Task 3 – Mathematics Complete the designated task on Mathematics.</p> 	<p>What happens when you add an odd number to an even number? Eg $3 + 4 =$ Do this 5 times using different numbers, then explain what the rule might be. Task 3 – Mathematics Complete the designated task on Mathematics.</p> 	<p>measurements from smallest to largest. Draw pictures of the items and label their length in both cm and mm. Task 3 – Mathematics Complete the designated task on Mathematics.</p> 	<p>Task 3 – Mathematics Complete the designated task on Mathematics.</p> 	<p>results and answer these questions. Task 3 – Mathematics Complete the designated task on Mathematics.</p> 
<p>Break</p>	<p>Lunch Teach yourself to juggle in the backyard.</p>	<p>Lunch Kick a soccer ball against a wall. Count by 4's for each bounce.</p>	<p>Lunch Jump on a trampoline or skip using a rope.</p>	<p>Lunch Play a game of handball against a wall.</p>	<p>Lunch Eat outside in the fresh air and look up at the clouds.</p>
<p>Afternoon</p>	<p>English Speaking and Listening Choose an article from this website. Read the article or listen to the audio (scroll down to find). Retell the news item to someone in your family.</p> 	<p>English Speaking and Listening Listen to the daily podcast of Squizkids. Retell the news items to someone in your family.</p> <p>THE SQUIZ KIDS</p>	<p>English Speaking and Listening Listen to the daily podcast of Squizkids. Retell the news items to someone in your family.</p> <p>THE SQUIZ KIDS</p>	<p>English Speaking and Listening Listen to the daily podcast of Squizkids. Retell the news items to someone in your family.</p> <p>THE SQUIZ KIDS</p>	<p>English Speaking and Listening Choose an article from this website. Read the article or listen to the audio (scroll down to find). Retell the news item to someone in your family. PD/H/PE Complete the following Cosmic Kids yoga lesson.</p>
	<p>Science (Forces) Experiment</p>	<p>Science (Forces) Experiment</p>	<p>PD/H/PE</p>	<p>Geography (Significance of the Environment)</p>	



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	<p>Visual Arts (Texture Rubbings) Materials: A piece of paper A lead pencil or crayon Take yourself around your house and backyard and find different surfaces. Use the side of the lead or crayon and make rubbings of the surfaces. These can be about 4sq cms. When complete cut them out and make a collage on another piece of paper.</p> 	<p>Will paper or stone fall to earth faster? Method: 1 You will need a sheet of newspaper and a small stone. 2 Scrunch the newspaper into a tight ball. 3 Kneel on the ground and drop both objects from the exact same height. Then do the same from a standing position. Then, with assistance, safely stand on a chair and drop both objects from eye level. 4 Record your answers. Try it with a basketball and a tennis ball. Will the answer be the same?</p> 	<p>Complete the following Cosmic Kids yoga lesson.</p>  <p>OR</p> <p>The following circuit- 10 running laps of your backyard- 10 skipping laps- 10 hopping laps- 10 jumps and 10 dodges from one side of the fence to the other.</p>	<p>The environment is important for all species of animals however, many animals are experiencing threat of extinction. What types of animals live in Australia and what can be done to protect them?</p> <p>In this lesson, you will be reading about endangered animals, and in particular, the Tasmanian Devil. You will discover why their number are decreasing and offer suggestions on how humans can protect and save them</p> <p>Complete the worksheet provided.</p>	 <p>OR</p> <p>Go Noodle and Just Dance – just search your favourite songs on You Tube.</p>
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'Misery Guts'

COMPREHENSION

Keith's Mum and Dad own a fish and chip shop in London. Things are not going well. Mum and Dad are miserable.

Keith has decided that emigrating to sunny Australia would be the answer to all their worries. But Dad doesn't agree. At Mum's suggestion, the family has gone to the seaside to have a fun day.

Now read on.

Keith sat on a deck chair, freezing.

He looked at Mum, sitting on her deck chair, coat buttoned up and scarf wrapped round her throat, doing some knitting. He could tell she was purposely not looking at him.

He looked at Dad, sitting in his deck chair, coat buttoned up, reading the paper. Dad was purposely not looking at him too.

Keith shivered and wished he'd left the sleeves on his tropical shirt. He pulled his jacket tighter round him and wondered if the numbness in his arms was nervous tension or frostbite.

He looked at Mum again.

She smiled at him. He knew it wasn't a real smile. It was the half-hearted lip-stretch people do on windy beaches on overcast days when they want to pretend they're having fun.

Keith looked out across the pebbles. This is ridiculous, he thought. Two hours we've been here and neither of them have asked me why I've got a white nose.

He touched his nose to make sure the white coating was still on it. Yep.

Ask me, thought Keith, ask me.

Because then he could tell them.

'It's the zinc cream people wear in Australia to protect their noses from the sun that shines all day, every day, 365 days of the year.'

And then they'd have to ask themselves why they were freezing to death on Worthing beach when they could be lying under palm trees in North Queensland.

by Morris Gleitzman

- 1 Were Mum, Dad and Keith sitting on the sand, sitting on deck chairs or lying on their beach towels? _____

- 2 What was Mum doing on the beach? _____

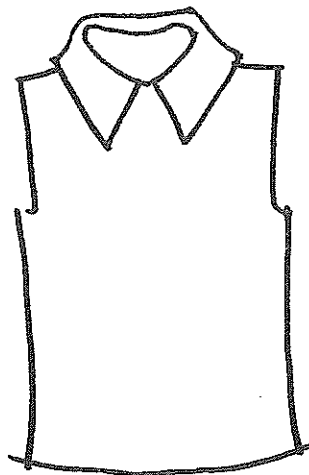
- 3 What was Dad doing on the beach? _____

- 4 The name of the beach was _____
- 5 Think of one word to describe how they all felt. _____
- 6 Why do you think all three were sitting on chairs and not on the beach itself? _____

- 7 Find two words in the passage which describes the weather that day. _____
- 8 Keith's plan was to keep telling his parents how happy they would be in Australia. How did he think a white nose would help?

- 9 Why do you think Keith's parents are finding it difficult to decide to emigrate to Australia? _____

- 10 Keith was wearing his tropical shirt which was just right for lying under the palm trees in North Queensland. Draw a great tropical design on this shirt.



'Misery Guts'

CLOZE

After two hours freezing to death on the beach, Keith's Dad angrily packed up their belongings, telling Keith they would never go to Australia.

The following part of the story tells you what happened next. The words that have been left out are below. Read the whole story first before you try putting the words in their correct places.

Nobody spoke on the drive back to London. Keith sat in the back of the van and stared out into the dusk and tried not to feel sad about _____ to Australia by himself and _____ Mum and Dad behind and probably never seeing them again.

Why should I feel sad, he thought. It's their fault. I tried. He felt his eyes getting hot and prickly. See, he thought, it's _____ already. I'm turning into a misery guts.

He took his mind off things by _____ out how many potatoes it would take for him to save up a plane fare. Twenty-five thousand. He'd better _____ tomorrow. Then he _____ his eyes and thought about warm white sand and warm turquoise lagoons and glorious pink tropical sunsets. He _____ his eyes just as the van was _____ into his street and for a moment he thought he could see one.

A glorious pink tropical sunset. Then he _____ what it was. A fire. Blimey, he thought, one of the buildings in our street's on fire. Suddenly the van was _____ by red flashing lights and screaming sirens and men running with hoses.

'Whose place is it?' said Mum.

'Can't see,' said Dad.

The van _____ slowly forward and Keith tried to see whose place it was. Then he remembered. The fryer. The one he'd _____ breakfast in. He'd forgotten to turn it off.

Words to use

cooked going
happening opened
working leaving moved
surrounded realised
start turning closed

by Morris Gleitzman

Herby hamburgers

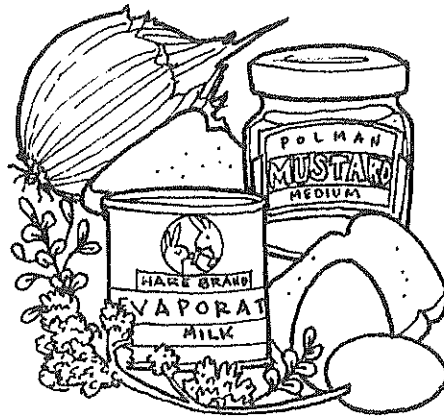
These hamburgers would be great to cook at school or at home when you're having a party.

Read through the list of ingredients. Then look at the instructions for making the hamburgers.

These instructions are *not in order*. See if you can place them in correct order by placing a number, 1 to 10, beside each step.

Ingredients

- 4 slices bread
- 2 eggs
- 3/4 cup evaporated milk (or full cream milk)
- 1 teaspoon herbed mustard
- 1 kg mince
- 1 teaspoon each of thyme and marjoram leaves
- 1/4 cup chopped onion
- 1 tablespoon parsley
- 1/4 cup chopped celery



Instructions

- _____ Shape the mixture into hamburger sized patties with your clean wet hands.
- _____ While the bread is soaking, chop the onion, celery, parsley, thyme and marjoram leaves finely.
- _____ Remove the crusts from bread and cut the bread into squares.
- _____ Then beat the soaked bread with a fork and add it to the meat and onion mixture.
- _____ Cook on a barbeque, greased frypan or under a grill for about 7-10 minutes each side.
- _____ Soak bread and milk in a bowl for about 10 minutes.
- _____ To serve, place inside hamburger buns with shredded lettuce and tomato.
- _____ Add onion, celery and herbs to the meat and mustard in a large bowl.
- _____ PS Don't forget the tomato sauce.
- _____ Lastly, add the eggs and mix well with a fork.

Using your dictionary

kite

long string **2** a medium-sized hawk with long wings and tail

kitten *noun*
a young cat

Word Use: the male is a **tom**; the female is a **puss**

kiwi *noun*

1 a New Zealand bird with thick legs and a long thin bill, and which cannot fly
2 someone from New Zealand

Word Use: definition **2** is more suited to everyday language

Kiwi fruit *noun*

a small, oval, hairy fruit with a gooseberry-like flavour

Word Use: another name for this is **Chinese gooseberry**

klaxon *noun*

a loud horn once used in motor cars

kleptomania (say *klep-tə-mayn-ee-ə*)
noun

an uncontrollable urge to steal things

Word Building: **kleptomaniac** *noun*

knack (say *nak*) *noun*

the skill for doing a particular thing

knacker (say *nak-ə*) *noun*

someone who buys old or useless horses to kill for pet meat

Word Building: **knackery** *noun*

knapsack (say *nap-sak*) *noun*

a leather or canvas bag for clothes and supplies which is carried on the back, especially by hikers and climbers

knave (say *nayv*) *noun*

a dishonest man or boy

Word Use: this is an old-fashioned word other words with similar meaning are **rogue** and **rascal**

Word Building: **knavish** *adjective*
knavishly *adverb*

knead (say *need*) *verb*

to press and push with your hands: *The baker kneaded the dough.*

Word Use: be careful — this sounds like **need**

knee (say *nee*) *noun*

the joint between the upper and lower leg

kneecap *noun*

the flat movable bone which covers the knee joint

knob

kneel (say *neel*) *verb*
to go down on your knees

Word Building: other forms are **I knelt** or **kneeled**, **I have knelt** or **kneeled**, **I am kneeling**

knell (say *nel*) *noun*

a slow bell ringing for a death or funeral

knickerbockers (say *nik-ə-bok-əz*)

plural noun

loose short trousers which are gathered in at the knees

Word History: named after Diedrich

Knickerbocker, the imaginary author of Washington Irving's book "The History of New York" which had illustrations of people wearing baggy pants like the ones Dutch people wore in about 1800

knickers (say *nik-əz*) *plural noun*

underpants, usually for girls or women

knick-knack (say *nik-nak*) *noun*

a small ornament

knife (say *nuyf*) *noun*

1 a tool with a sharp blade for cutting

knife *verb*

2 to wound with a knife

Word Building: the plural of the noun is **knives**

knight (say *nuyt*) *noun*

1 a nobleman who pledged to serve and fight for a king in Medieval times **2** an honour, with the title "Sir", given to a man by a king or queen for service to his country **3** a chess piece shaped like a horse's head

Word Use: be careful — this sounds like **night**

Word Building: **knight** *verb* **knighthood** *noun* **knighthly** *adjective*

knit (say *nit*) *verb*

1 to make out of long strands of wool, using a pair of long pointed needles: *to knit a jumper* **2** to join together: *He has to wait for the bones to knit after his fracture* **3** to wrinkle up: *She knits her brow when she is thinking.*

Word Building: other forms are **I knitted**, **I have knitted**, **I am knitting** **knitter** *noun*

knob (say *nob*) *noun*

1 a round handle, as on a drawer or door
2 a rounded lump: *a knob of butter*

Word Building: **knobby** *adjective* **knobbly** *adjective*

Your dictionary doesn't tell you only the meanings of words. It often tells you how to pronounce them.

1 Look at the word 'knead'. How does the dictionary tell you to say it?

2 You can use your dictionary as a spellchecker. Circle the correctly spelt word.

knickerbokers knickerbockers knikerbockers

3 Dictionaries also tell you what part of speech a word is, eg noun, verb, adjective.

What word on your dictionary page can be used as a noun and a verb? _____

4 Sometimes words have more than one meaning. A *Kiwi* is a New Zealand bird, but it can also mean _____

5 The word *knight* has three meanings. Write two short sentences with the word *knight* in each, but used in a different way each time.

Use the words on the dictionary page opposite to complete these sentences. You will need to use the 'word building' words for some of the answers.

1 Michael used a sharp _____ to slice the _____ for the fruit salad.

2 The old horse with the wobbly _____ was sold to the _____ for pet meat.

3 In the olden days motorists used a _____ to warn pedestrians of danger.

4 The _____ hid six pairs of _____ she had stolen in her _____ on her back.

What's on in Sydney?

Talk to the Animals

Taronga Zoo, on Sydney Harbour, is one of the world's most spectacular zoos.

You can talk to the koalas, kangaroos, echidnas, dingoes and our very shy platypuses.

You can visit the African Waterhole or the brand new Gorilla Forest.

Only 12 mins by ferry from Circular Quay.

**Admission \$15 adults
\$7.50 children**

Open 9 am to 5 pm every day.

Web Site

Did you know that wherever you are, there's usually a spider within a metre of you? At the Spiders' exhibition you'll be even closer than that.

Check out these live crawlies at the Australian Museum at College St.
Open every day 9.30 am to 5 pm

**Admission
\$10 adults \$5 children \$20 a family**

Screen Scene

Journey into the Amazon valley or join the astronauts 230 km above the earth without leaving Sydney.

At the Imax Theatre at Darling Harbour you can see these 2D films on the world's largest screen. It's seven storeys high and ten times larger than the normal movie screen.

For information and movie times phone 133 462

**Admission \$14.00 adults
\$10.00 children \$43.00 family**

Ghost Walks

Try a ghostly guided walk around Goat Island in Sydney Harbour.

Listen to the gruesome stories about the convicts who lived there, while you explore the old buildings by lantern light.

**Friday and Saturday nights
6.15 pm to 9.15 pm
Cost: \$16 adults \$44 families**

Manly Corso Bar
Best Gelato in Sydney



Oodles of Noodles

Hungry? Hurry to the Noodle Market at North Sydney. Delicious hot noodles piled high on your plate for next to nothing. **Open every Friday night.**

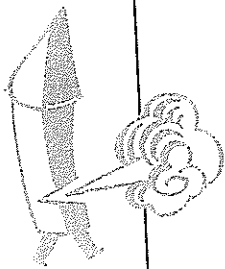
This is James' and Mitchell's first trip to Sydney. They've come from New Zealand with their Mum and Dad. Where will they go and what will they see?

This page from a *What's On* magazine will help them. Read the page carefully before answering the following questions.

- 1 It's Thursday and James and Mitchell want to go to the zoo. Is it open on Thursdays? _____
- 2 Where should they go to catch the ferry to the zoo? _____
- 3 Which new section of the zoo could they visit?

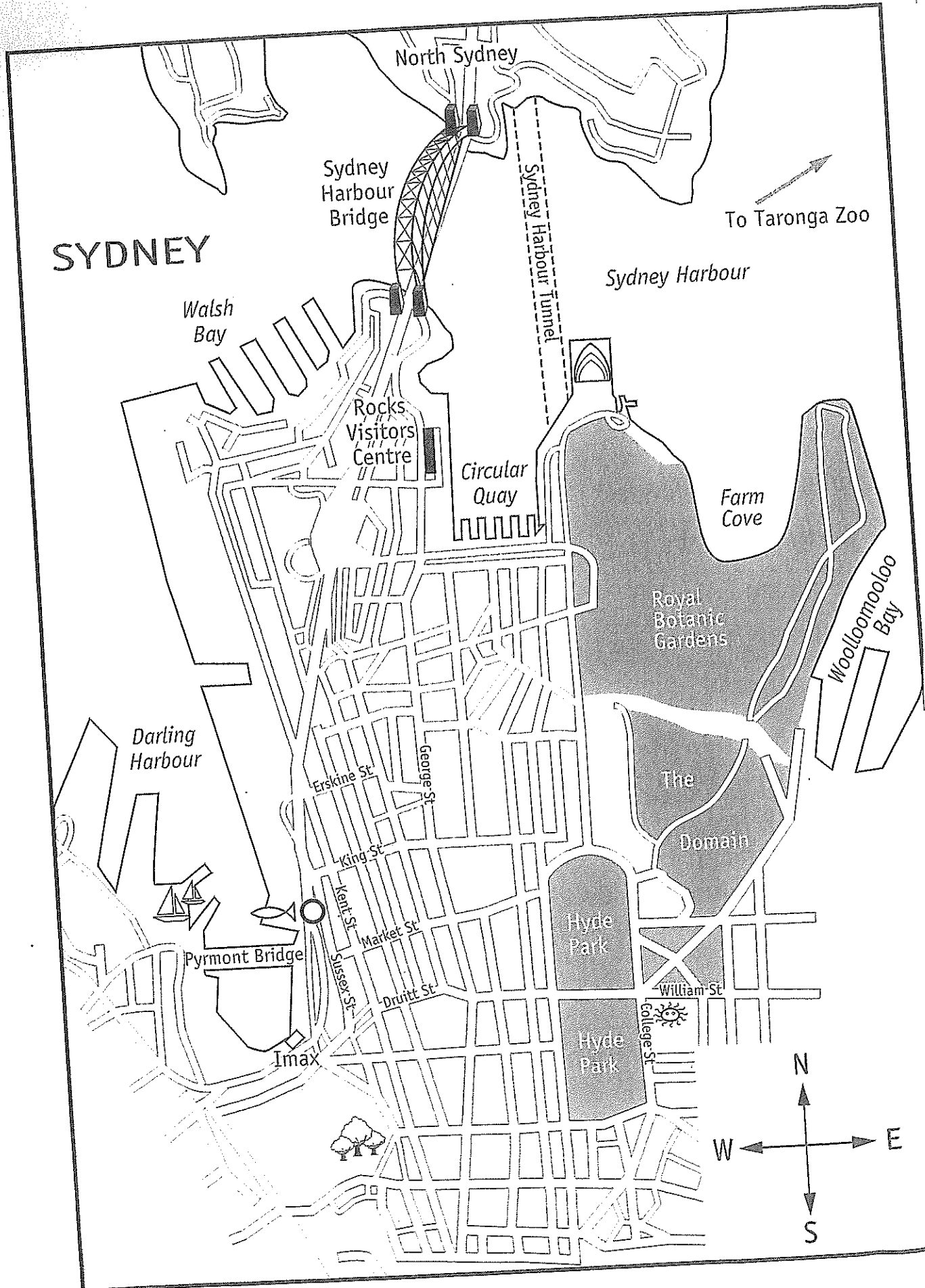
- 4 Tomorrow the boys want to go to the Australian Museum. Which exhibition will they see? _____
- 5 Is the screen in the Imax theatre higher than your school? _____
How do you know? _____
- 6 Would it be cheaper for their parents to buy a family ticket to the Imax Theatre? _____
How much would they save? _____
- 7 The films at this theatre are 2D or 3D. Explain what that means.

- 8 On Saturday night they decide to try the ghost walk on Goat Island. Whose ghosts do you think would be haunting this island?



After you've finished

Draw one of the animals that could be seen at the African Waterhole here.

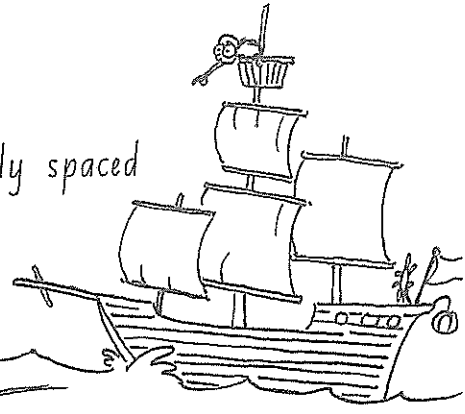




Assessment page - Letter size and spacing, space between words

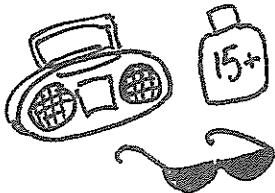
Look carefully at the passage below, then:

- ★ circle any letters that are not the right size
- ★ put a cross under words where the letters are not evenly spaced
- ★ underline pairs of words that are not evenly spaced.



Rewrite it correctly.

When Australia contained penal colonies, convicts were sent to Australia by ship. The triptook many months and conditions were very bad. After World war two, many people migrated to Australia. They came by ship, too. Today, people mostly arrive in Australia by air.



Teacher

Copy.

Squid, cuttlefish, octopuses and nautilus

all belong to the group of animals called

"cephalopods". Except for the nautilus, all

cephalopods have either an internal shell

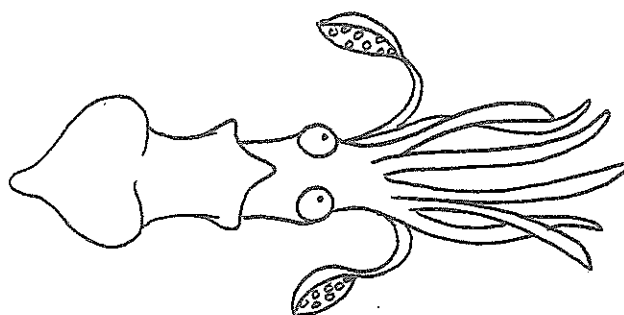
or one that is missing altogether. They

are found in shallow reefs, the deep sea

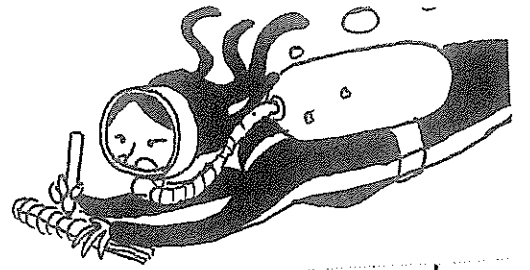
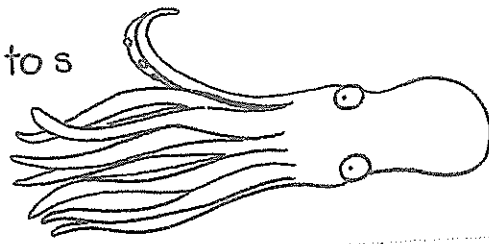
and all depths in between. All cephalopods,

except the nautilus, have eight arms with

suckers or hooks.

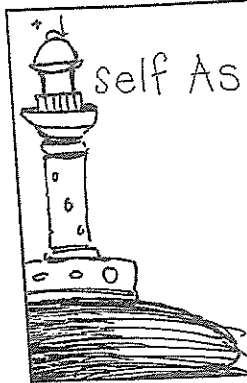


Consolidation - Joining to s



Copy.

As well as having eight arms, squid and cuttlefish have an additional set of feeding tentacles. Cephalopods can propel themselves through the water at great speeds, by jetting water out of their siphons. These animals don't look very different to the untrained eye, and are sometimes misidentified by swimmers, snorkellers and recreational divers



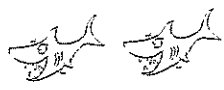
Self Assessment

Rate your joins to s.

Needs work



Good effort

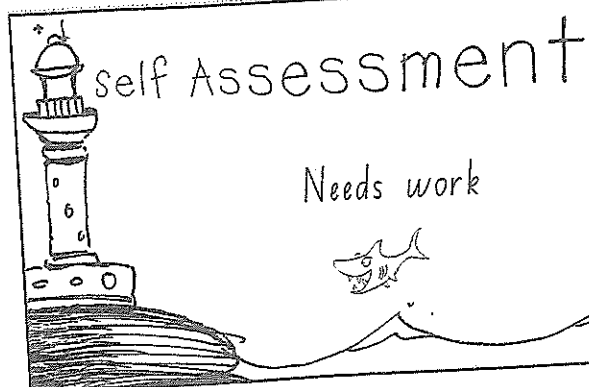


Best ever!



Copy.

The ocean is an amazing place. It is home to many wonderful plants and animals. Some of these are colourful, some are highly intelligent, some are dangerous and some are quite bizarre. Humans have been in awe of the sea for centuries. It can be both friend and foe. We use this incredible environment for work, for play, for food and for discovery.



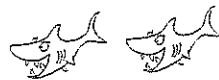
Self Assessment

Rate your joins to e.

Needs work



Good effort

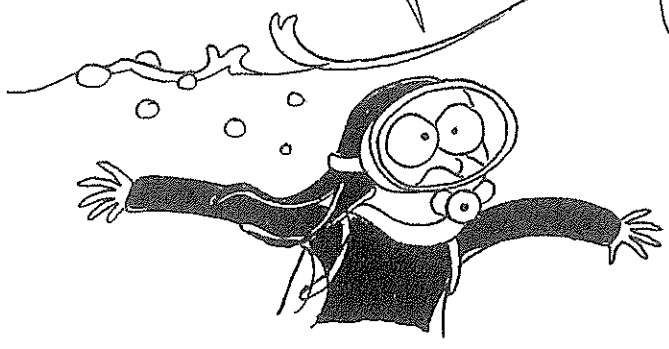
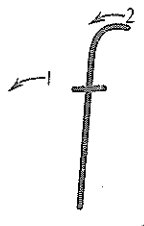


Best ever!

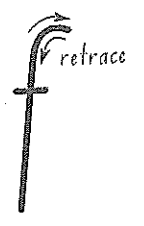


Consolidation – Joining to f

When a letter joins to f with a diagonal stroke, the f is dropped into place.



But when a letter joins to f with a horizontal stroke, part of the f is retraced.



Trace, then copy.

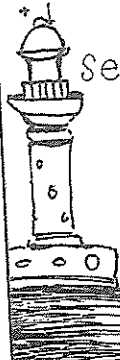
This mark ' will remind you when to lift your pencil and drop the f in.

Handwriting practice lines with dotted midlines. The first line contains several lowercase 'f' characters for tracing, each with a small apostrophe mark above it. The following lines are blank for copying practice.

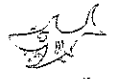
Trace, then copy. Remember to retrace the top part of the f.

Handwriting practice lines with dotted midlines. The first line contains several lowercase 'f' characters for tracing, each with a small apostrophe mark above it. The following lines are blank for copying practice.

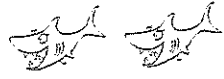
self Assessment




Needs work



Good effort



Best ever!



Consolidation – Drop-in joins

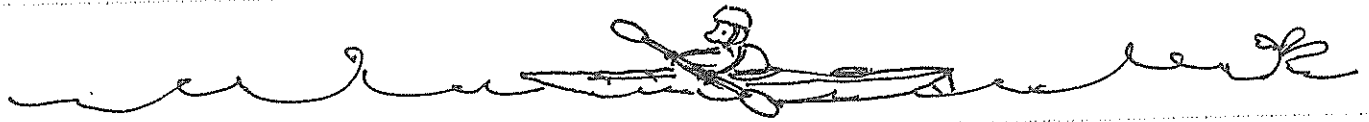
Copy this list of ocean sports. Then add a mark ' to show any drop-in joins.
The first one has been done for you.

káyaking canoeing parasailing

paragliding snorkelling swimming

scuba diving wave skiing surfing

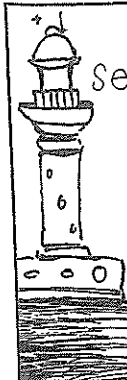
boogie boarding wind surfing sailing



My favourite ocean activity is
because

Practise these drop-in joins.

ea ec ed eg eq ia ic id ig aq ac ad ag



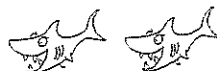
self Assessment

Rate your drop-in joins.

Needs work



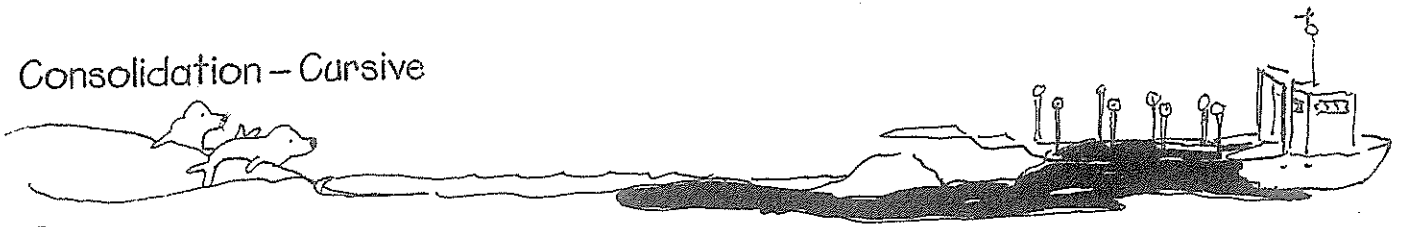
Good effort



Best ever!

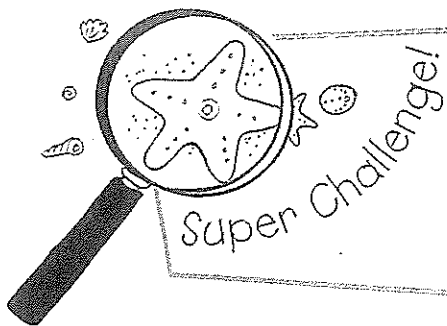


Consolidation – Cursive



Copy.

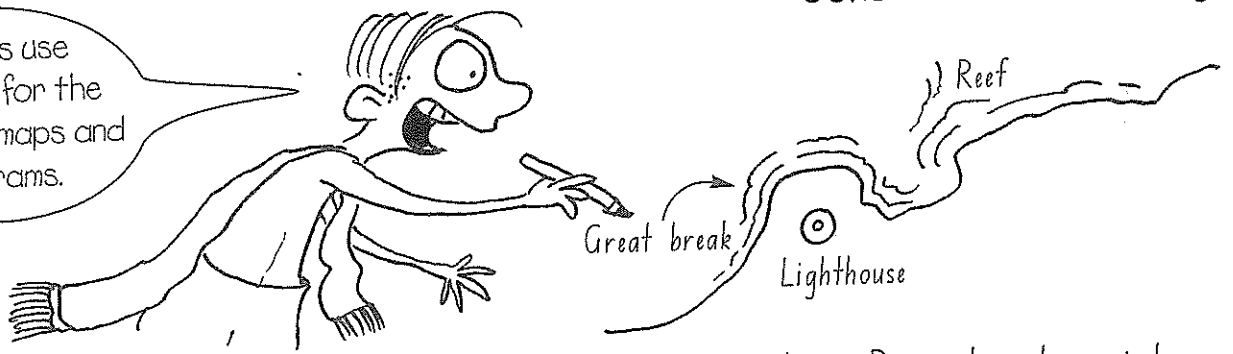
Tankers are huge vessels that may be as heavy as several hundred thousand metric tonnes. They transport liquid cargo such as petroleum and natural gas to ports all over the world. They are not always constructed with reinforced hulls, so when accidents happen huge amounts of oil may be spilled into the sea.



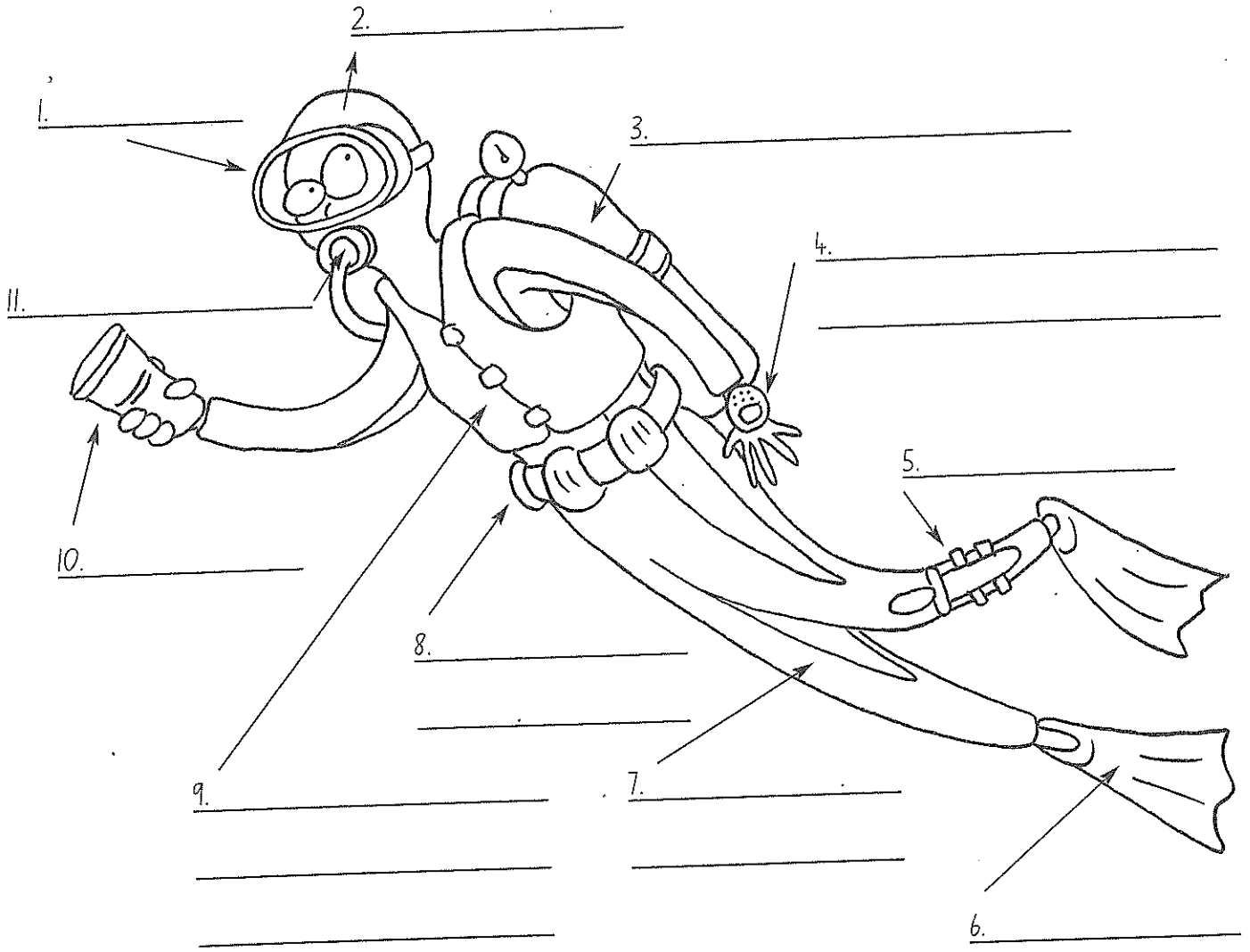
- Underline 5 horizontal joins to e.
- Put a mark ' above 5 drop-in joins.
- Tick 5 diagonal joins to head and body letters.
- Draw a box around 5 letter pairs that do not join.

Consolidation - Printing

Always use printing for the labels on maps and diagrams.

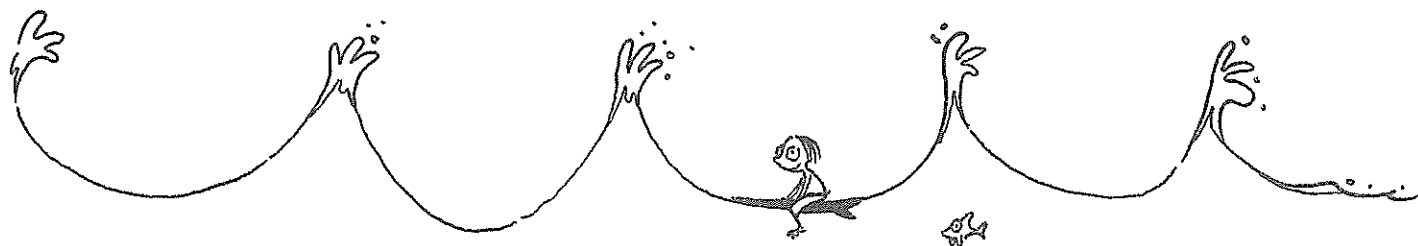


Use the words at the bottom of the page to label the picture. Remember to print them. Then trace the words in cursive script.



1. mask 2. horn 3. air tank 4. dive
 5. compass 6. tank 7. air 8. suit
 9. weight 10. buoyancy 11. control 12. jacket
 13. boot 14. regulator

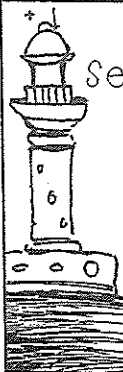
Handwriting hints – Spacing between words



Rewrite this passage, using even spaces between the words.

Make the spaces between words as even in size as you can. When words are too close together or too far apart, it makes the writing very difficult to read. When words are spaced evenly, writing is much easier to read.


Handwriting practice lines consisting of multiple sets of horizontal lines for writing.



Self Assessment

Rate your spacing between words.

Uneven spacing || Even spacing



Handwriting hints – Spacing between words

Copy. Make the spacing between words as even as you can.

Drift netting is a method of fishing. It

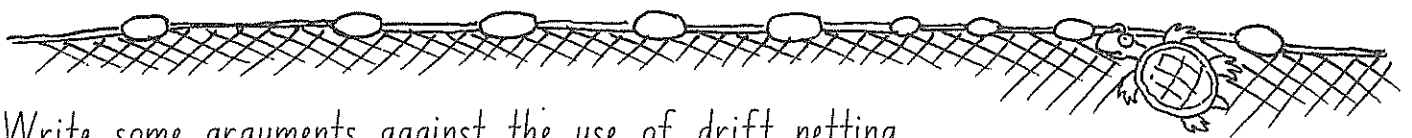
involves suspending a strong plastic net

between two buoys. Sometimes the net can

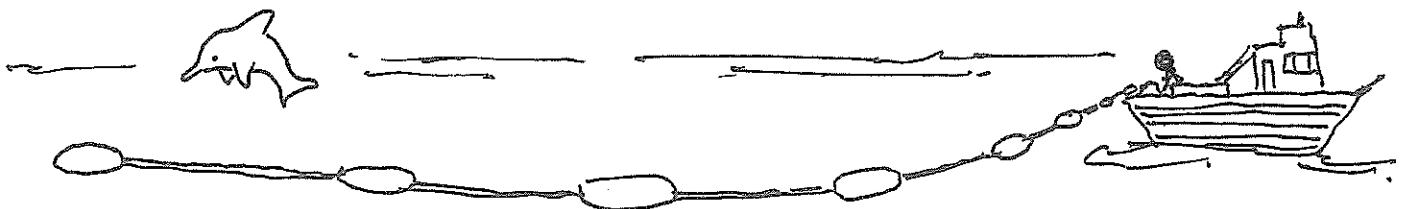
be over 60 km long. This type of net

catches anything that swims into it,

including dolphins and turtles.



Write some arguments against the use of drift netting.

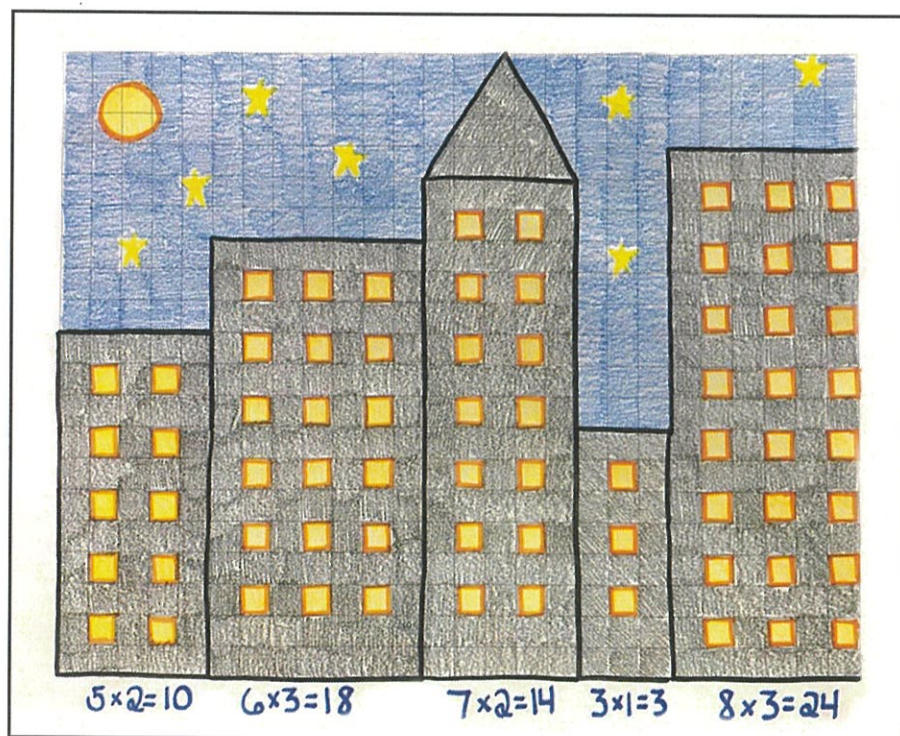


City Skyline Arrays

Objective: Practice basic multiplication skills using arrays.

Materials: City Skyline Grid Paper (page 2 of this PDF file); markers or crayons

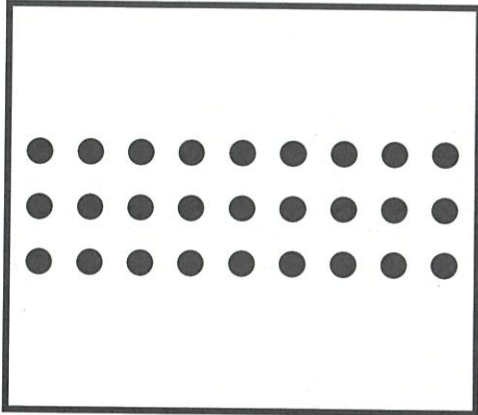
Overview: Kids will love designing their own skyscraper arrays! This is a fun math project that reinforces basic multiplication skills.



Here's what to do in a few easy steps:

- Draw vertical rectangles of various sizes.
- Fill in some of the individual squares inside the buildings to make windows.
- Color the skyscrapers. Add a background too!
- Write the multiplication fact shown inside each building.

Using Arrays to Multiply



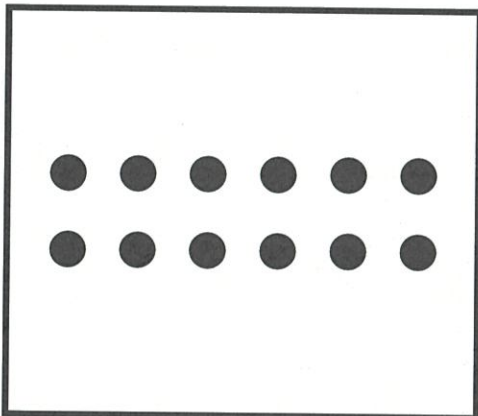
How many rows are in the array? _____

How many columns are in the array? _____

How many dots are in the array? _____

Write a multiplication fact that is shown by the array.

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$



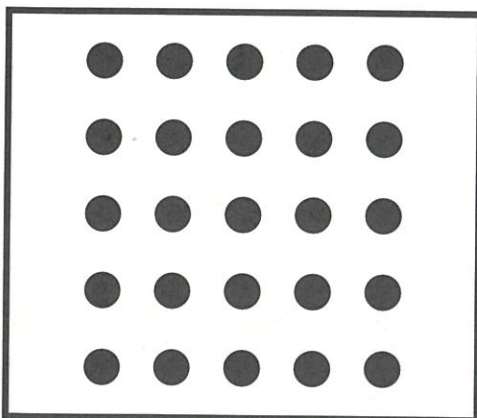
How many rows are in the array? _____

How many columns are in the array? _____

How many dots are in the array? _____

Write a multiplication fact that is shown by the array.

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$



How many rows are in the array? _____

How many columns are in the array? _____

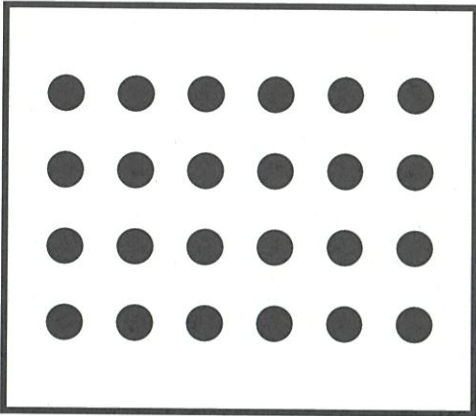
How many dots are in the array? _____

Write a multiplication fact that is shown by the array.

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

Name: _____

Using Arrays to Multiply



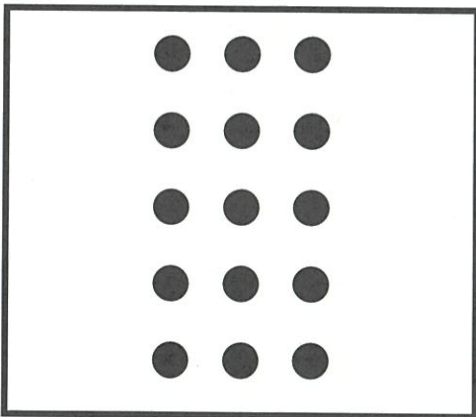
How many rows are in the array? _____

How many columns are in the array? _____

How many dots are in the array? _____

Write a multiplication fact that is shown by the array.

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$



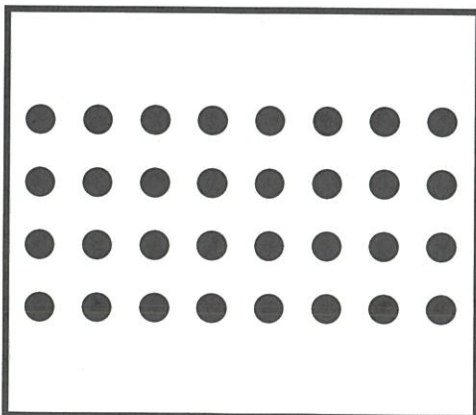
How many rows are in the array? _____

How many columns are in the array? _____

How many dots are in the array? _____

Write a multiplication fact that is shown by the array.

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$



How many rows are in the array? _____

How many columns are in the array? _____

How many dots are in the array? _____

Write a multiplication fact that is shown by the array.

$$\underline{\quad} \times \underline{\quad} = \underline{\quad}$$

Name: _____

Multiplication with Arrays

You can find the answer to basic multiplication facts by making a symbol picture called an array.

An array is a group of symbols arranged in straight rows and columns.

x x x x x x x

x x x x x x x

x x x x x x x

3 rows of 7 symbols equals 21 symbols.

$$3 \times 7 = 21$$

Draw an array to find the answer to each multiplication fact below.
Be sure you draw your symbols in neat, straight rows and columns.

$4 \times 5 = \underline{\quad}$

$6 \times 4 = \underline{\quad}$

$3 \times 8 = \underline{\quad}$

$3 \times 9 = \underline{\quad}$

$5 \times 8 = \underline{\quad}$

$7 \times 4 = \underline{\quad}$

$4 \times 9 = \underline{\quad}$

$5 \times 5 = \underline{\quad}$

Investigating Gravity, Speed and Force

Experiment

Will paper or stone fall to earth faster?

Method:

- 1 You will need a sheet of newspaper and a small stone.
- 2 Scrunch the newspaper into a tight ball.
- 3 Kneel on the ground and drop both objects from the exact same height. Then do the same from a standing position. Then, with assistance, safely stand on a chair and drop both objects from eye level.
- 4 Record your answers. Try it with a basketball and a tennis ball. Will the answer be the same?



Predictions: (answer these before doing the experiment)

- 1 Which item is heavier? Paper or stone?
2. Which Item will fall faster? paper , stone, or they fall at the same pace (circle one)
3. Do you think the results will be different when they are dropped at different heights?

Observations: Shade the box to show which hit the ground first.

Kneeling on ground			Standing			Standing on chair		
paper	rock	both	paper	rock	both	paper	rock	both

Conclusion:

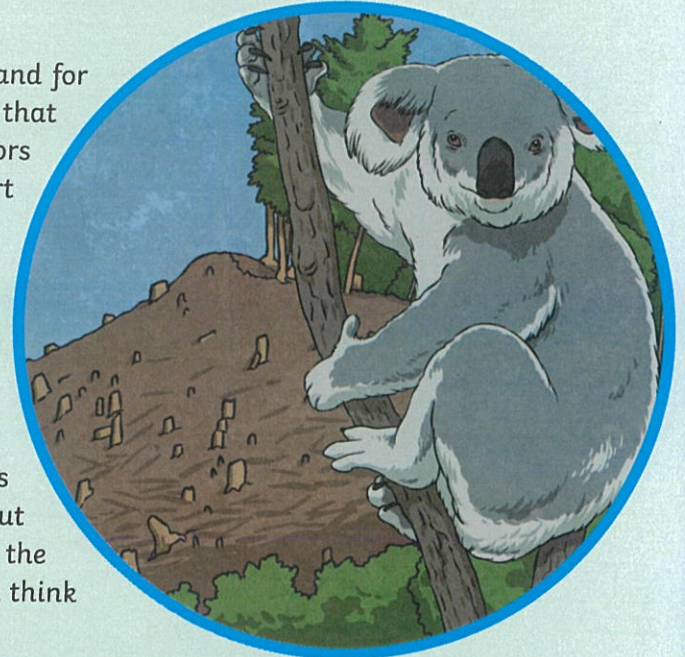
Does the weight of an object affect the speed at which it travels towards Earth?

Endangered Animals

What causes animals to become endangered?

Habitat

People destroy natural habitats when they clear land for buildings, roads or farms. The trees, rocks or ground that gave animals shelter and protection from predators disappear. The other plants or animals that are part of their diet may also decrease as a result of clearing. The animals must move to another similar habitat or it becomes very difficult for them to survive.

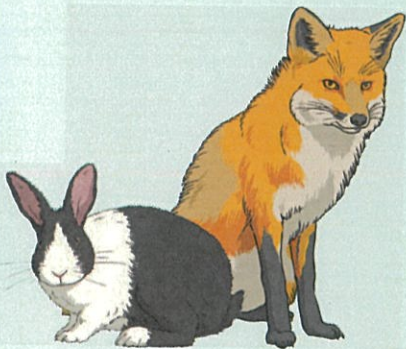


Hunting

Animals are hunted because they are a source of food but they also provide fur, skins, teeth and bones. Some parts of animals are used for cosmetics or traditional medicines. Often, there are rules about fishing, such as the time of year you can fish, and the size and amount of fish you can catch. Why do you think these laws were made?

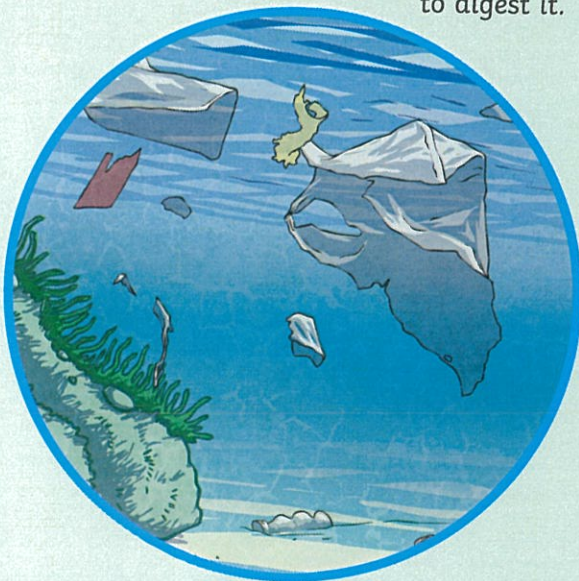
Introduced animals

Introduced animals are animals that are not native to a habitat. These animals often thrive in their new location and then cause problems for the native animals. Introduced animals can prey on the native animals and take over their shelters and sources of food. Introduced animals like the cane toad can even be poisonous to other animals.



Pollution

Humans pollute the water, air and soil that animals rely on. Chemicals from factories and farms can make animals very sick. Rubbish like plastic in the oceans can be eaten by sea creatures that are unable to digest it.

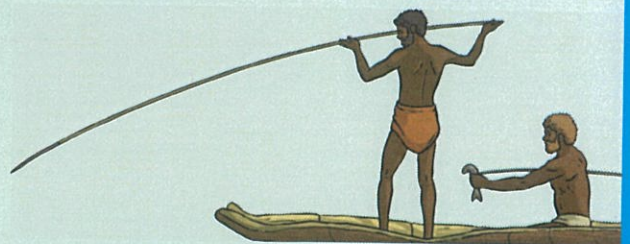


Ask Yourself...

How can you help endangered animals?

Did You Know?

Australian Aboriginals carefully watch the lifecycles of the animals they hunt. They know not to take too much from habitats. By only hunting the animals they need for food, and making sure that there are enough animals left to regenerate the population, they take care of the environment.



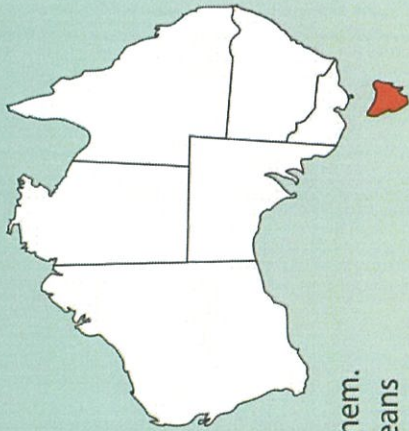
TASMANIAN DEVIL



Where: In all habitats around Tasmania.

How many: 10 000–15 000
(As of 2008)

Why: Early farmers considered Tassie Devils a pest and hunted them. Increases in dingo population means increased competition for food and habitat. Smaller populations mean that Tasmanian Devils are more prone to disease. The most common is the Devil Facial Tumour Disease.



Teach Starter.com

Tasmanian Devil

The Wild Tasmanian devil can only be found in the wild in Tasmania, Australia. The Tasmanian devil is a marsupial.

Female marsupial animals have pouches in which they carry their young. The pouch helps the Tasmanian devil mother to feed and protect newly born babies. There are four teats in the pouch, so she can look after four little devils at one time.

Tasmanian devils are mostly black, but usually have white marking on their bottom or the chest. Tasmanian devils are carnivores which means they only eat meat. They are also known to be scavengers. They eat lizards, frogs, insects and any animal meat they can find.

The Tasmanian devil stores fat in its tail so that it has something to draw on when there isn't a lot of food to eat. Their eyesight is better when it's dark. They are good at spotting things that are moving, but if things are still they probably won't see it as clearly.

Adult male devils are usually bigger than females. They are about 30 centimetres tall and weigh up to 14kg.



Did You Know...?
Devils can eat up to 40% of their body weight in a day.



Endangered Australian Animal

The Tasmanian Devil

After reading the information about the Tasmanian Devil, complete the graphic organiser below.

What type of animal is it?

Where does it live?

What does it eat?

Name of animal

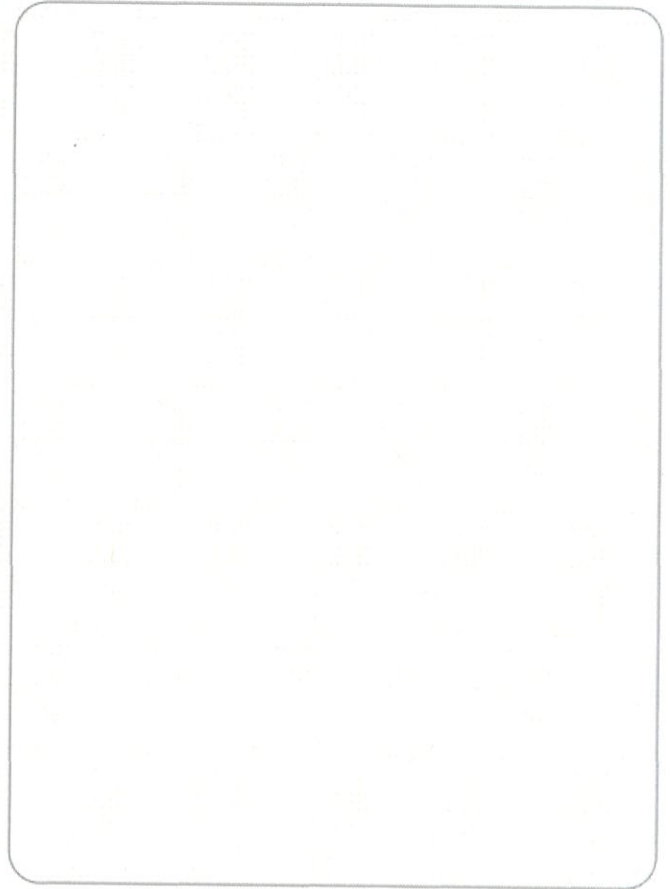
What likes to eat it?

Why does the world need it?

Why is it in danger?

4

Colour the places where your animal lives in Australia. Draw a picture of your animal in its natural environment.



Come up with at least three ideas that could be done to protect and save the Tasmanian Devil.
