Year 4 Home Booklet 12

Monday

<table>
<tr><td>Spelling</td><td>

Discuss the meaning of each of your spelling words with someone then write your words out *three times*.

The prefix pro- meaning supporting and forward.

The prefix anti- meaning against.

Rainbow	Red	Orange	Green
The split digraph /i--e/ making the sound "I" as in kite. kite smile life time side	promote proceed procedure antibiotic antifreeze	propel provide progress anticlockwise antisocial	progressive proactive procession antiviral antivenom

</td></tr>
<tr><td>Writing</td><td>

Write a sizzling start and backfill based on the following picture:

A sizzling start should be 1-2 sentences long and hook your reader in straight away it may be a:

        sound hook
        rhetorical question
        action hook

Backfill is where we 'go back' and orientate our reader. it includes the:

        who
        when
        where
        what

</td></tr>
<tr><td>Reading</td><td>Read for 20 minutes.</td></tr>
<tr><td>Sentence of the Day</td><td>

Direct or quoted speech is used when an author wants to tell the reader exactly what the character said.
For example: Direct quoted speech: "Come inside now," said Mum.
Indirect reported speech: Mum told the children to go inside.
When writing direct (quoted) speech, the author must place speech (quotation) marks around the words the character <u>actually said</u>.
Write a sentence in which:
- **A teacher gives a command for Mary to stand up.**

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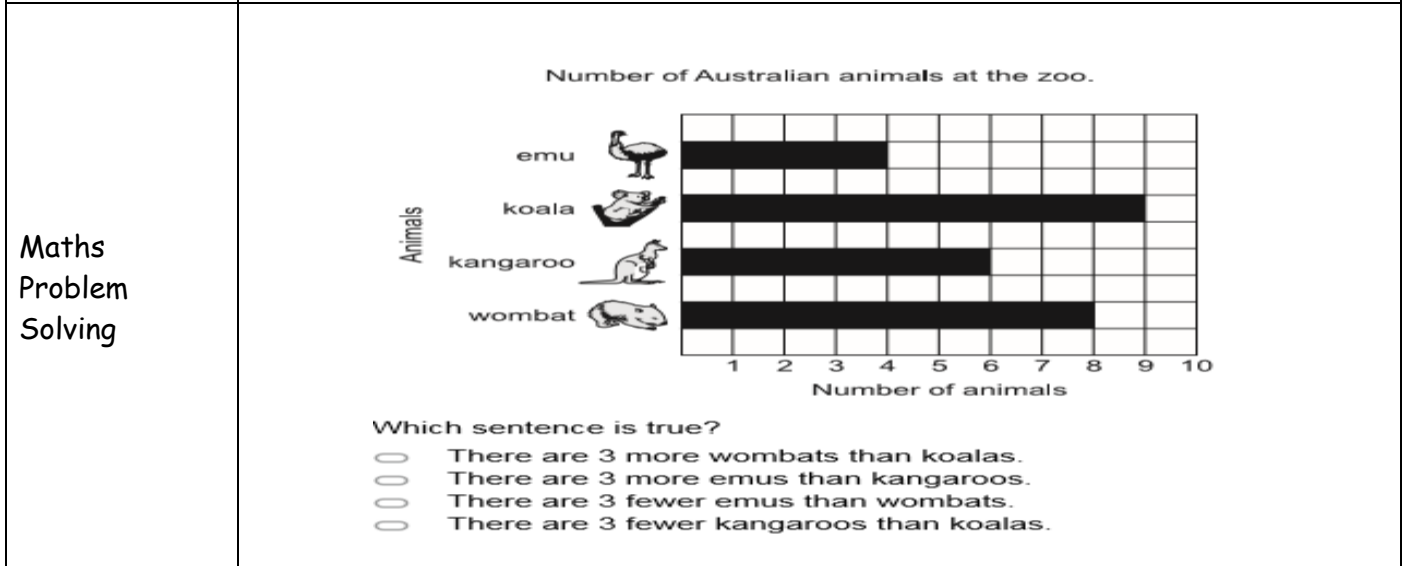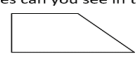|	
Comprehension	Choose a different story book that you are reading at home. Pick **5 words** from the story that you are unsure of the meaning of. Use a dictionary to find the meaning, or discuss the words with a buddy/ parent to get a better understanding of the word. Write the meanings of these words in your books.
Maths activity	Maths activity for this week is race to 250, 2000 or 10,000 (work to your ability level) Roll two dice or flip two cards to make a two-digit number. Write the number down and then roll the dice or flip the cards again, making 2 two-digit numbers. e.g. 25+41= Once you find the answer 66, make another two-digit number again, 21. Add this number to 66, so, 66+21= and then continue until you reach your goal. Work out how many times you add on to reach your goal. Repeat the task again and try to beat your last score. 25+41 = 66, 66+21= 87, 87 + 13= 100, 100+ 31= 131
Maths Problem Solving	Number of Australian animals at the zoo. Which sentence is true? ○ There are 3 more wombats than koalas. ○ There are 3 more emus than kangaroos. ○ There are 3 fewer emus than wombats. ○ There are 3 fewer kangaroos than koalas.
Maths: Answer the questions from the worksheet in your workbook.	Name _____ Date _____ MENTAL MATHS QUIZ 4:3 1) 7 + ____ = 19 2) How many sides does a hexagon have? 3) 10 x 7 4) What is the value of the digit 1 in the number 4215? 5) Round 73 to the nearest 10 6) 28 – 25 7) Half of 16 8) How many minutes in three quarters of an hour? 9) How many right angles can you see in the shape? 10) The time is 10:20am. What will the time be in 2 hours? 11) What is the missing number in the sequence? 39, 37, 35, 33, 31, ____ 12) 14 + 9 + 6 13) Write down the number four hundred thirty-six 14) What is the total of all the coins? 15) The date is 28th April. What will the date be in 5 days' time? 16) How many mm is 3 ½ cm? Free Math Sheets, Math Games and Math Help MATH-SALAMANDERS.COM

Two digits multiplied by one digit

	Hund	Tens	Ones
		¹3	5
×			3
	1	0	5

3 × 5 = 15 ones
Write 5 in the ones column and trade 10 ones for 1 ten and write the 1 in the tens column.
3 × 3 tens equals 9 tens plus 1 ten which equals 10 tens.
Write the 0 in the tens column and the 1 in the hundreds.

1 Solve each multiplication using the shortened form.

a

Hund	Tens	Ones
	2	7
×		3

b

Hund	Tens	Ones
	2	3
×		4

c

Hund	Tens	Ones
	2	9
×		3

d

Hund	Tens	Ones
	3	7
×		5

e

Hund	Tens	Ones
	4	6
×		4

f

Hund	Tens	Ones
	6	3
×		4

g

Hund	Tens	Ones
	4	8
×		5

h

Hund	Tens	Ones
	7	4
×		6

i

Hund	Tens	Ones
	2	9
×		7

j

Hund	Tens	Ones
	6	3
×		8

k

Hund	Tens	Ones
	5	6
×		6

l

Hund	Tens	Ones
	4	9
×		8

m

Hund	Tens	Ones
	2	8
×		7

n

Hund	Tens	Ones
	4	6
×		5

o

Hund	Tens	Ones
	6	4
×		4

2 Solve these problems.

a The pilot usually completes 29 flights each month. How many flights will she complete in 9 months?

b How many sultanas are there if there are 7 packs with 52 sultanas in each pack?

c The average mass of each netball player in the squad is 68 kg. What is the total mass of the 9 members of the team?

Other

Write your name in bubble writing and colour it in
or
Help fold the washing

Weekly Science Activity- Lava lamp	This week you are going to get creative and make your own lava lamp! **Materials** - A clean plastic bottle, try to use one with smooth sides. - water - vegetable oil (can also use baby oil instead) - Fizzing tablets (such as Alka Seltzer that you can purchase at woolworths) - Food colouring **Instructions** 1. Fill the bottle up about 1 quarter (1/4) with water. 2. Pour the vegetable oil in the bottle until it is almost full. You may want to use a measuring cup with a spout or a funnel. You may have to wait a couple of minutes for the oil and water to separate. 3. Add a few drops of your favourite food colouring. Watch as the colour sinks through the oil. Did your drops of color mix with the water immediately or float in between for a few minutes? 4. Break your fizzy tablet in half and drop part of it into the bottle. Get ready… here come the bubbly blobs! 5. You can even get a flashlight, turn off the lights and drop in another half tablet. This time shine the flashlight through the lava lamp while the blobs are bubbling! Watch Scientist Joe as he makes the Lava Lamp experiment here! https://www.youtube.com/watch?v=EGHTZImTvFY&feature=youtu.be **Extra experiments** What happens if you put the cap on after dropping the fizzy tablet in? What if you drop a whole tablet in? When it stops bubbling, try sprinkling some salt into your lava lamp. What happens?

Tuesday

Spelling	Write your spelling words and record the *syllables* and *sounds* in each of your words.

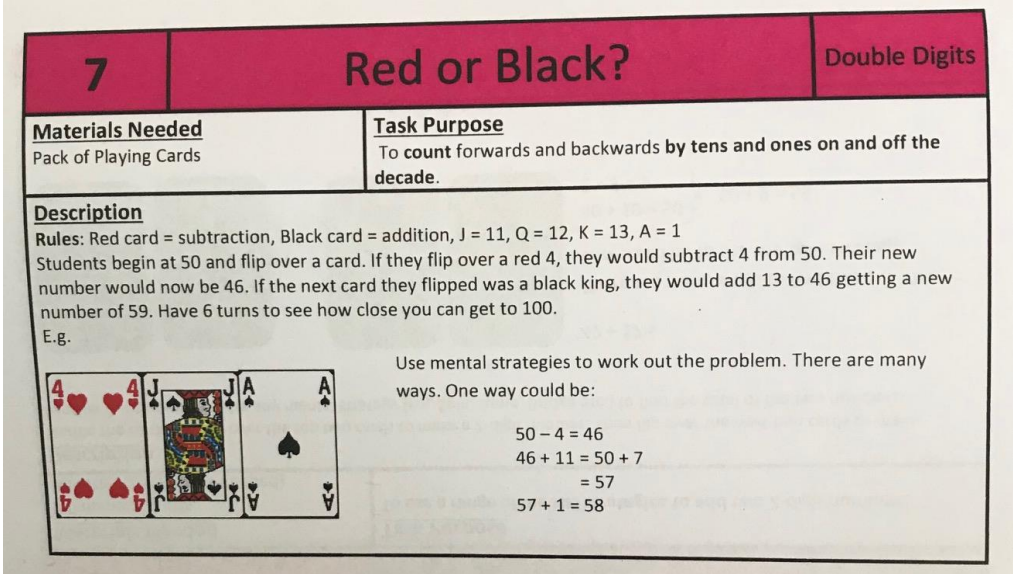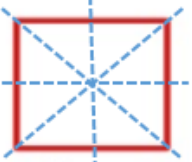|	
Writing	Reread your sizzling start and backfill from yesterday. Today we are going to add the **problems** in your story. To make your problems interesting for a reader we are going to add *three problems that get bigger and bigger and bigger*. Can you brainstorm ideas for your pebble, rock and boulder? Once you've picked your problems add them to your writing from yesterday.
Reading	Read for 20 minutes
Sentence of the Day.	Direct or quoted speech is used when an author wants to tell the reader exactly what the character said. When writing direct (quoted) speech, the author must place speech (quotation) marks around the words the character <u>actually said</u>. Write a sentence in which: • **Lisa says she likes cheese better than bread.**
Comprehension	Think about a TV show you have watched. Summarise in a paragraph what happened in the show. Remember to include as much information as you can. (Include the names of the characters, identify the problem and the ending).
Maths activity	**7** **Red or Black?** **Double Digits** **Materials Needed** Pack of Playing Cards **Task Purpose** To **count** forwards and backwards **by tens and ones on and off the decade**. **Description** **Rules:** Red card = subtraction, Black card = addition, J = 11, Q = 12, K = 13, A = 1 Students begin at 50 and flip over a card. If they flip over a red 4, they would subtract 4 from 50. Their new number would now be 46. If the next card they flipped was a black king, they would add 13 to 46 getting a new number of 59. Have 6 turns to see how close you can get to 100. E.g. Use mental strategies to work out the problem. There are many ways. One way could be: $50 - 4 = 46$ $46 + 11 = 50 + 7$ $\quad\quad\quad = 57$ $57 + 1 = 58$
Maths Problem Solving Questions	**March** | M	T	W	T	F	S	S
---	---	---	---	---	---	---
	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				 Dan's mum works three days a week. She works Tuesday, Wednesday, Saturday. How many days does she work in March? 3 14 15 31 ○ ○ ○ ○
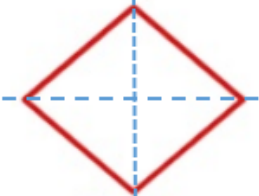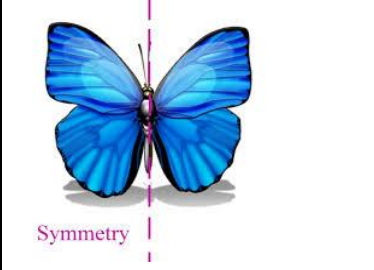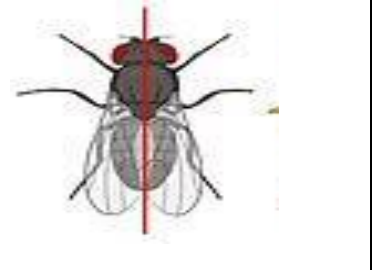
Maths: Symmetry	**Definition:** The quality of being made up of exactly similar parts facing each other or around an axis. In other words something can be folded or divided in half so much so that both halves exactly match. There are many manmade and natural objects that are symmetrical. In today's lesson you will be required to head outside and find 10 objects that are symmetrical. You will then draw these objects in your book and show where the lines of symmetry are. **Lines of Symmetry** Square — 4 lines of symmetry · Rectangle — 2 lines of symmetry · Rhombus — 2 lines of symmetry Some examples of manmade or natural objects that are symmetrical can be: Symmetry
Other	Create a fitness circuit at home. You might include star jumps, push ups, sit ups or Listen to music and relax

Wednesday

Spelling	Write all of your words in *alphabetical order*.
Writing	Write an exciting ending for your story from this week. An ending should wrap up your story with an action ending and a character resolution.
Reading	Read for 20 minutes.
Sentence of the Day	Direct or quoted speech is used when an author wants to tell the reader exactly what the character said.

	When writing direct (quoted) speech, the author must place speech (quotation) marks around the words the character <u>actually said</u>. Write a sentence in which: • **Pam asks Gillian if she would like to come to her place to play.**
Comprehension	Watch a video on Youtube or a documentary about a **native Australian animal** of your choice. Think of **3 questions** for a friend/ parent to answer about what you have learnt about the animal.
Maths activity	Maths activity for this week is race to 250, 2000 or 10,000 (work to your ability level) Roll two dice or flip two cards to make a two-digit number. Write the number down and then roll the dice or flip the cards again, making 2 two-digit numbers. e.g. 25+41= Once you find the answer 66, make another two-digit number again, 21. Add this number to 66, so, 66+21= and then continue until you reach your goal. Work out how many times you add on to reach your goal. Repeat the task again and try to beat your last score. 25+41 = 66, 66+21= 87, 87 + 13= 100, 100+ 31= 131
Maths Problem Solving	Sally has 1 yellow pencil, 5 red pencils, 2 green pencils and 3 blue pencils in her pencil case. She takes one pencil without looking. The colour of the pencil she is **most likely** to take is ◯ red. ◯ blue. ◯ green. ◯ yellow.
Other	Design a board game. Include the instructions, rules, etc. or Cook something in the kitchen with an adult.

Maths:
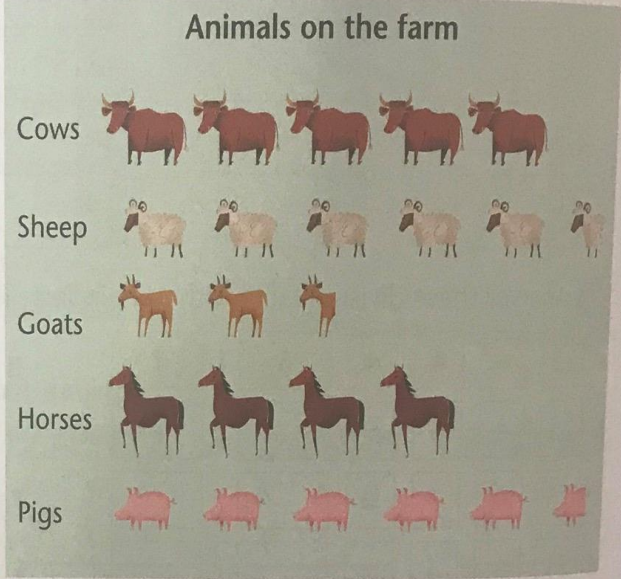Answer the questions from the worksheet in your workbook.

Picture graphs

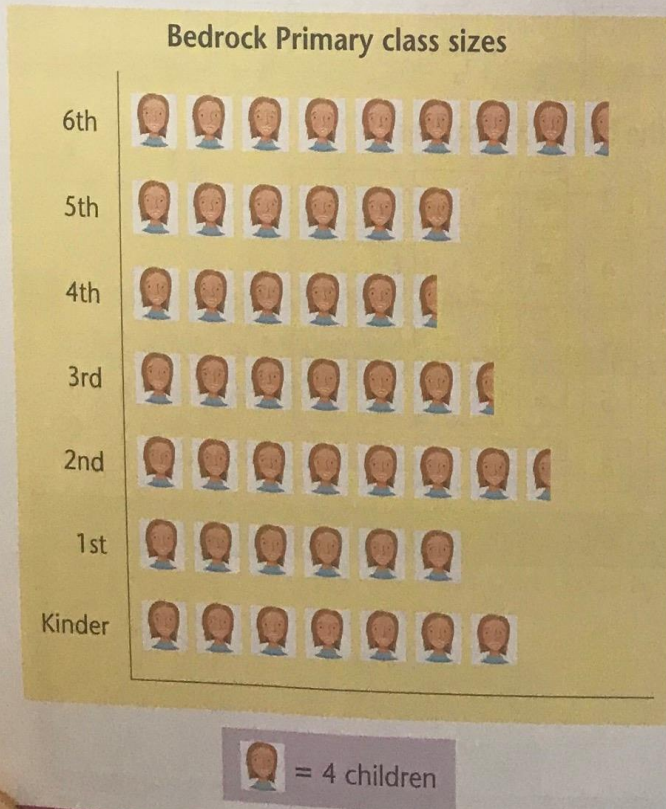When using **picture graphs** a single symbol can represent more than one of the objects.

9 Use the key to the picture graph to answer the following questions about the animals on the farm.
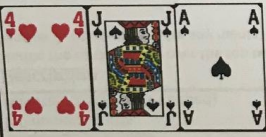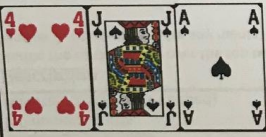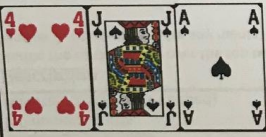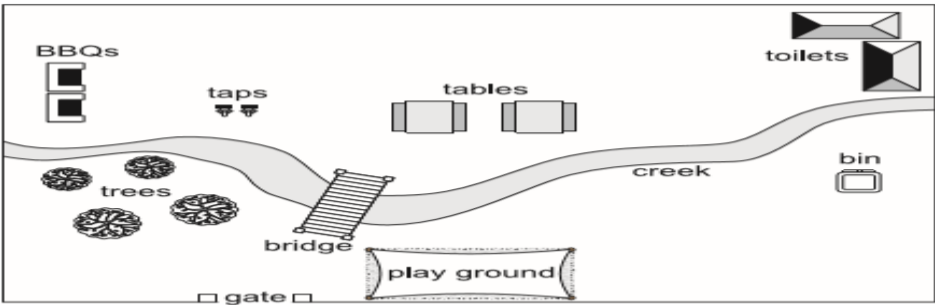
Key
1 animal picture = 10 animals

a How many cows are there? _____

b How many sheep are there? _____

c How many horses and pigs are there altogether? _____

d How many goats are there? _____

e How many more horses are there than goats? _____

f Are there more than 450 animals on the farm? _____

Animals on the farm

Cows

Sheep

Goats

Horses

Pigs

10 Examine the key carefully before attempting the questions.

Bedrock Primary class sizes

6th
5th
4th
3rd
2nd
1st
Kinder

= 4 children

a How many children in 5th grade? _____

b How many children in kindergarten? _____

c How many children in 3rd grade? _____

d How many children in 6th grade? _____

e Which is the smallest class? _____

f Which is the largest class? _____

g Which class has 22 children? _____

h How many more children are in 2nd grade than in 5th grade? _____

i How many children in the school? _____

Thursday

Spelling	*Rainbow write* your spelling words (write each word in different colours of the rainbow.)
Writing	Write a descriptive sentence based on this picture, remember to include your five senses (see, hear, taste, touch, feel) to make your writing paint a picture.
Reading	Read for 20 minutes.
Sentence of the Day	Direct or quoted speech is used when an author wants to tell the reader exactly what the character said. When writing direct (quoted) speech, the author must place speech (quotation) marks around the words the character <u>actually said</u>. Write a sentence in which: • **Jackie asks her sister if she can come to the park too.**
Comprehension	Read a paragraph from a book of your choice. Visualise and draw a picture to match what you have read.
Maths activity	
Maths Problem Solving	

Maths activity card:

7	Red or Black?	Double Digits

Materials Needed
Pack of Playing Cards

Task Purpose
To **count** forwards and backwards **by tens and ones on and off the decade**.

Description
Rules: Red card = subtraction, Black card = addition, J = 11, Q = 12, K = 13, A = 1
Students begin at 50 and flip over a card. If they flip over a red 4, they would subtract 4 from 50. Their new number would now be 46. If the next card they flipped was a black king, they would add 13 to 46 getting a new number of 59. Have 6 turns to see how close you can get to 100.
E.g.

Use mental strategies to work out the problem. There are many ways. One way could be:

$$50 - 4 = 46$$
$$46 + 11 = 50 + 7$$
$$= 57$$
$$57 + 1 = 58$$

Maths Problem Solving:

The creek is between the
◯ bin and playground.
◯ toilets and tables.
◯ taps and BBQs.
◯ tables and bin.

Maths:

## MENTAL MATHS SHEET 4:4

1)	3 x ___ = 30	
2)	Write down a multiple of 5 between 22 and 32	
3)	40 ÷ 10	
4)	628 = 600 + 8 + ___	
5)	Write down two thousand nine hundred and fourteen	
6)	What is the next number? 17, 21, 25, 29, 33, ___	
7)	How many vertices does this shape have?	
8)	How many 3s make 21?	
9)	Round 165 to the nearest 10.	
10)	What fraction of the shape below is shaded?	
11)	How much money is 1 TWENTY plus 3 TENS plus 4 FIVES?	
12)	48 - ___ = 42	
13)	The time is 3:40pm. What will the time be in half an hour?	
14)	How many TENS make £1.40?	
15)	A pencil costs 31p. How much do 3 pencils cost?	
16)	One yard is 3 feet. How many feet in 7 yards?	

1) Revising polygons
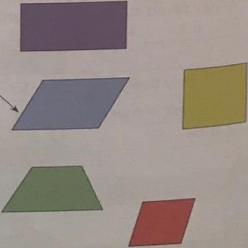
A **polygon** is a shape made up of three or more straight sides.

7 Give a clear description of each shape by recording its properties.

Shape	Name	Sides	Angles	Types of angles	Lines of symmetry
	triangle	3	3	acute	3
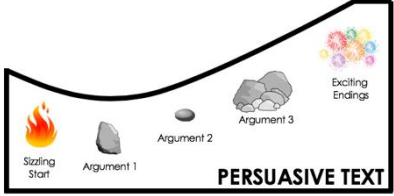
8 Draw a line to match each description to the correct quadrilateral.

a A parallelogram is a four-sided shape with two pairs of parallel sides. Opposite sides and angles are equal. A square and a rectangle are other examples of a parallelogram.

b A rectangle is a parallelogram with two pairs of equal sides and four angles of 90°.

c A rhombus is a parallelogram with four equal sides and two sets of matching angles.

d A square is a parallelogram with four equal sides and four angles of 90º.

e A trapezium is a quadrilateral with only one pair of parallel sides.

Other	Go on a "TREASURE HUNT" around your house and try and find something; red, yellow, green, blue, orange, black, white, pink and purple. or Tidy and Vacuum your bedroom.

Friday

Spelling	Get someone to test you on your spelling words or do a look cover write check with them.
Writing	Can you persuade your teacher to let you bring a pet to school. Write a persuasive text giving the reasons why.
Reading	Read for 20 minutes
Sentence of the Day	Direct or quoted speech is used when an author wants to tell the reader exactly what the character said. When writing direct (quoted) speech, the author must place speech (quotation) marks around the words the character <u>actually said</u>. Write a sentence in which: • **The teacher says what a beautiful day it is.**
Maths activity	Maths activity for this week is race to 250, 2000 or 10,000 (work to your ability level) Roll two dice or flip two cards to make a two-digit number. Write the number down and then roll the dice or flip the cards again, making 2 two-digit numbers. e.g. 25+41= Once you find the answer 66, make another two-digit number again, 21. Add this number to 66, so, 66+21= and then continue until you reach your goal. Work out how many times you add on to reach your goal. Repeat the task again and try to beat your last score. 25+41 = 66, 66+21= 87, 87 + 13= 100, 100+ 31= 131
Maths Problem Solving	**8.** There were 93 people on the high-speed train. 23 got off at the first station and 48 got off at the third station. If there are 5 people left on the train at the fourth station, how many got off at the second station?

Maths:	NIT 7 **Two digits multiplied by one digit**

Two digits multiplied by one digit

Hund	Tens	Ones	
	^{1}3	5	
×		3	
1	0	5	

$3 \times 5 = 15$ ones
Write 5 in the ones column and trade 10 ones for 1 ten and write the 1 in the tens column.
3×3 tens equals 9 tens plus 1 ten which equals 10 tens.
Write the 0 in the tens column and the 1 in the hundreds.

1 Solve each multiplication using the shortened form.

a

Hund	Tens	Ones
	2	7
×		3

b

Hund	Tens	Ones
	2	3
×		4

c

Hund	Tens	Ones
	2	9
×		3

d

Hund	Tens	Ones
	3	7
×		5

e

Hund	Tens	Ones
	4	6
×		4

f

Hund	Tens	Ones
	6	3
×		4

g

Hund	Tens	Ones
	4	8
×		5

h

Hund	Tens	Ones
	7	4
×		6

i

Hund	Tens	Ones
	2	9
×		7

j

Hund	Tens	Ones
	6	3
×		8

k

Hund	Tens	Ones
	5	6
×		6

l

Hund	Tens	Ones
	4	9
×		8

m

Hund	Tens	Ones
	2	8
×		7

n

Hund	Tens	Ones
	4	6
×		5

o

Hund	Tens	Ones
	6	4
×		4

2 Solve these problems.

a The pilot usually completes 29 flights each month. How many flights will she complete in 9 months?

b How many sultanas are there if there are 7 packs with 52 sultanas in each pack?

c The average mass of each netball player in the squad is 68 kg. What is the total mass of the 9 members of the team?

3 Multiply 45 by any number so that the product is a number between 120 and 370.

WMS3.2

NS3.3 Selects and applies

Other	Play Charades with your family or Create a dance routine or Watch a Just Dance video and perform it for your family.