Year 4 Home Booklet 13

Monday

Spelling

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

The graph /p/ making the sound "p" as in panda.

Rainbow	Red	Orange	Green
The graph /s/ making the sound "s" as in sun. sun pets snail bus this	peace police purpose package powder	powerful whisper parent poison pumpkin	paradise pamphlet apology spaghetti replenish

Writing

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

Reading

Read for 20 minutes.

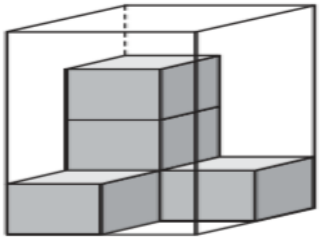
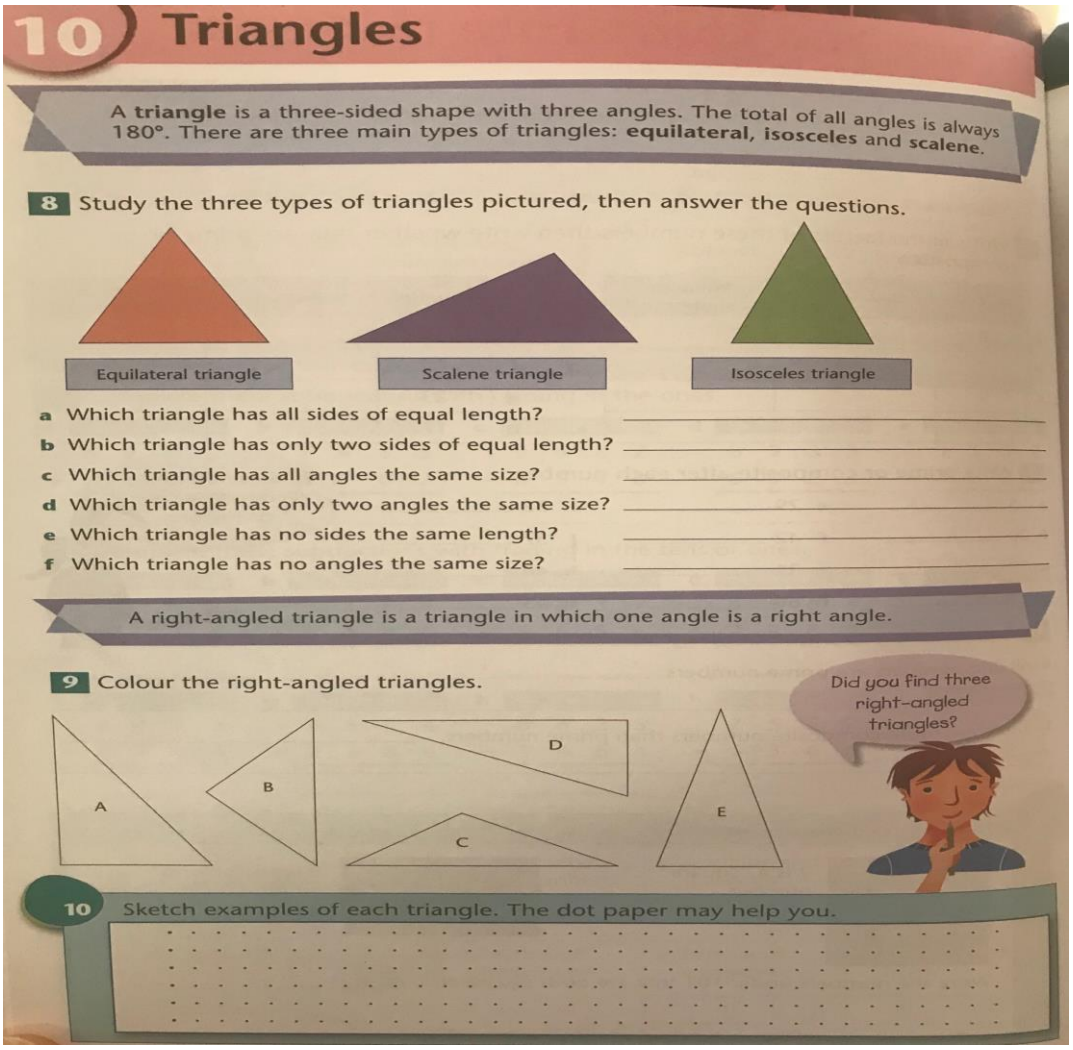
Sentence of the Day

Authors often use adjectives (words used to describe nouns) to make their writing more interesting and to give more information to the reader.
For example: The *young* <u>man</u> sat under the *apple* <u>tree</u>.
Use adjectives to describe the underlined nouns in the sentence below to make it more interesting.

- **The <u>girl</u> ran across the road.**

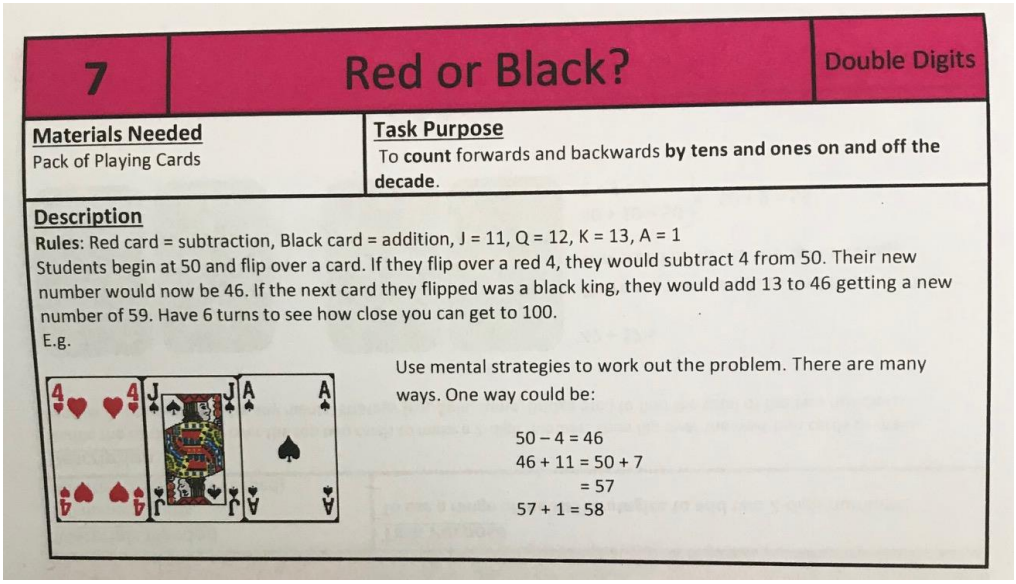
Comprehension

Watch a video on Youtube about a <u>famous Australian</u> of your choice. Write down **5** interesting facts about the person of your choice.

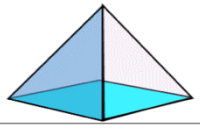
Maths activity	Maths activity for this week is race to 250, 2000 or 10,000 (work to your ability level) Roll two dice or flip two cards to make a two-digit number. Write the number down and then roll the dice or flip the cards again, making 2 two-digit numbers. e.g. 25+41= Once you find the answer 66, 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	 There are 5 cubes in this box. How many of these cubes can fit in the box altogether?
Maths: Answer the questions from the worksheet in your workbook.	 10 Triangles A **triangle** is a three-sided shape with three angles. The total of all angles is always 180°. There are three main types of triangles: **equilateral**, **isosceles** and **scalene**. 8 Study the three types of triangles pictured, then answer the questions. Equilateral triangle Scalene triangle Isosceles triangle a Which triangle has all sides of equal length? b Which triangle has only two sides of equal length? c Which triangle has all angles the same size? d Which triangle has only two angles the same size? e Which triangle has no sides the same length? f Which triangle has no angles the same size? A right-angled triangle is a triangle in which one angle is a right angle. 9 Colour the right-angled triangles. A B C D E Did you find three right-angled triangles? 10 Sketch examples of each triangle. The dot paper may help you.

Other	Using a bat or a racket, count how many times you can hit a ball without it falling off. Do it a few times and try and beat your score. OR Play outside
Weekly Projects History- Aboriginal Rock Art Science: Mouldy apples	**History- Aboriginal Rock Art** For the ancient Aboriginal people these things were important: ancestors and spirit beings, animals for food, weapons for hunting, and passing on stories and lessons. Some ways Aboriginal peoples passed on stories or communicated was through traditional rock art. Your task this week is to do some research on Aboriginal rock art and pay attention to particular pictures or symbols that they used. Task: Think about leaving something behind for people in the future to find out about you and your life. Draw some rock art using pictures and symbols to show what's important to you! **Science- What transforms an apple into a mouldy one?** This week you will conduct and experiment using different liquids to find out how it transforms an apple. <u>Materials</u> • 1 apple cut into 4 equal pieces • 4 mason jars/containers • Vinegar • Salt Water • Lemon Juice <u>Instructions</u> 1. Put an apple piece in each container. 2. Fill each container halfway with one of the liquids. Make sure the apple piece is covered in the liquid. The fourth apple and container is your control group, so don't add anything to that one. 3. Keep the containers in a cool area for a week. 4. Observe apples for rot, mold, and any other changes. At the end of the week and upload the results to Seesaw.

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.	Authors often use adjectives (words used to describe nouns) to make their writing more interesting and to give more information to the reader. For example: The *young* <u>man</u> sat under the *apple* <u>tree</u>. Use adjectives to describe the underlined nouns in the sentence below to make it more interesting. **The <u>boy</u> played with his <u>ball</u>.**
Comprehension	Using a text of your choice, write a word or phrase from the text for each letter of the alphabet. **eg. a** = amazing , **h**= helicopter **s**= snake
Maths activity	
Maths - Problem	Jaxson scored 14 goals in a game. Thomas scored seven more goals than Jaxson.

Solving Question	How many goals did Thomas score?
Maths:	

1)	30 ÷ 6	
2)	3000 + 500 + 8	
3)	What is this 3d shape called? 	
4)	How many faces does the shape above have?	
5)	⅖ + ____ = 1	
6)	7 x 6	
7)	What is the difference between double 12 and half of 40?	
8)	Which of these numbers is not a factor of 12? **2 6 3 10 4 1**	
9)	Round 3728 to the nearest 1000	
10)	The temperature is 12°C. It falls by 15 degrees at night. What is the temperature now?	
11)	A chicken needs cooking for 2 hours 20 minutes. It needs to be cooked at 1pm. What time do I need to start cooking it?	
12)	I have £10. I spend £4.20. How much money do I have now?	
13)	The date is 3rd August. What was the date a week ago?	
14)	I am a square with sides length 3 cm. What is my perimeter?	
15)	I think of a number. I double it and add one. The answer is 17. What was my number?	
16)	16 + ____ = 5 x 5	

Mixed Word Problems

1) Fred has 45 books. Sally has 27 times more books than Fred. How many books does Sally have ? _____

2) Sally's high school played forty-nine football games this year. She attended ten games. How many football games did Sally miss ? _____

3) Sara bought 195 crayons that came in packs of 15. There were 3 colors of crayons. How many packs of crayons did Sara buy? _____

4) There are one thousand two hundred and ninety students at a school. If each classroom holds thirty students, how many classrooms are needed at the school? _____

5) A diner served 5 salads during lunch and 6 during dinner today. It served 7 of them yesterday. How many salads were served today ? _____

6) A teacher has one hundred and ninety-six pieces of candy. If there are seven students, eight of whom are boys, if divided evenly, how many pieces of candy will each student get? _____

7) Tom picked 8 oranges and Alyssa picked 7 oranges from a tree. Mike picked 9 apples from a tree. How many total oranges were picked ? _____

8) Fred picked 27 lemons from the orchard, and gave 10 lemons to Sandy. How many lemons does Fred have now ? _____

9) Jessica bought twenty dozen eggs from the grocery store to bake some cakes. She plans to bake the cakes over two days. How many eggs did Jessica buy ? _____

10) Dan had Pokemon cards. He gave six to his friends. He now has seven Pokemon cards left. How many Pokemon cards did he have to start with ? _____

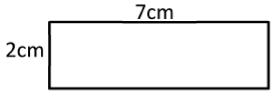
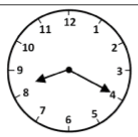
Other	Create a lego monster OR Help with the washing, fold and put away your clothes.

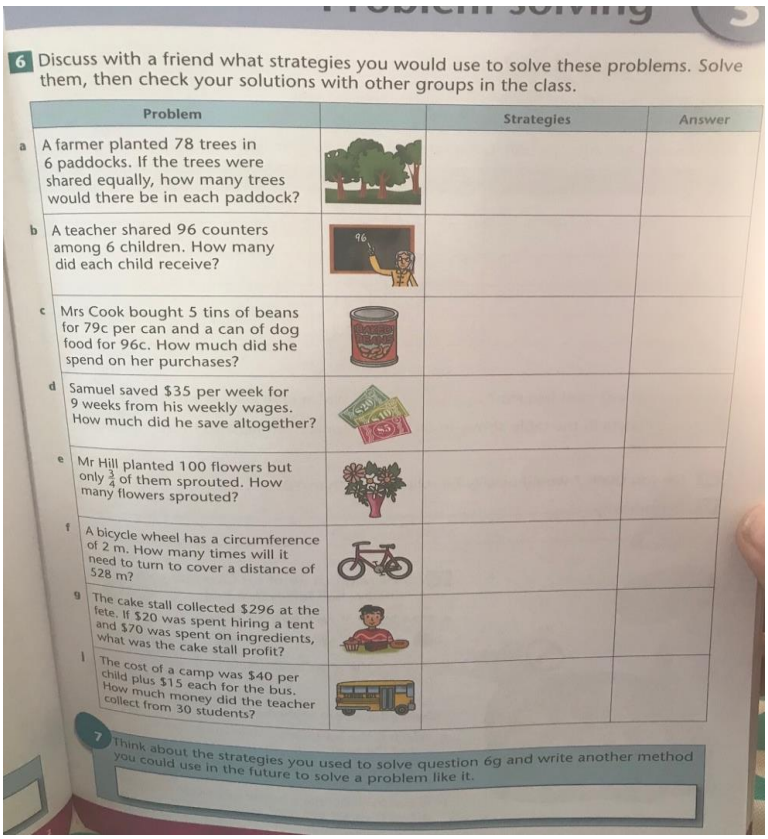
Wednesday

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	Authors often use adjectives (words used to describe nouns) to make their writing more interesting and to give more information to the reader. For example: The *young* <u>man</u> sat under the *apple* <u>tree</u>. Use adjectives to describe the underlined nouns in the sentence below to make it more interesting. • **A <u>rabbit hopped</u> across the grass.** •
Comprehension	Ask a family member/ friend questions to find out **4 things** you didn't know about them and record their responses.
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	A large pizza has 10 slices. Kyle orders a large pizza with 2 slices of pineapple and 8 slices of onion. What fraction of the pizza has pineapple? The bookstore is having a special promotion. For every 3 books you buy, you get 1 free. If you pay for 9 books, how many free books will you get?

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

MENTAL MATHS SHEET 4:7

1)	4 x 7	
2)	How many cm in a quarter of a metre?	
3)	Find the area of this rectangle. 	
4)	What is ¼ of 20?	
5)	I buy 2 packs of M&Ms for £2.10. How much did one pack cost?	
6)	What is the time in digital? 	
7)	What is the missing number in this sequence? 37, ___, 45, 49, 53, 57	
8)	Write down three thousand two hundred and thirty seven.	
9)	Adam is 3 years older than Ben. Ben is 5 years younger than Cate. If Cate is 12, how old is Adam?	
10)	I have £2. I spend 83p. How much do I have left?	
11)	Round 6258 to the nearest 1000.	
12)	0.8 + ___ = 1	
13)	Convert the Roman numerals XVI into a number.	
14)	5 x 4 = ___ + 8	
15)	On a winter's day, the temperature is 4°C. It falls by 6°C. What is the temperature now?	
16)	A plane leaves Texas. It arrives in London 10 hours later at 7:20pm. What time did it leave Texas?	



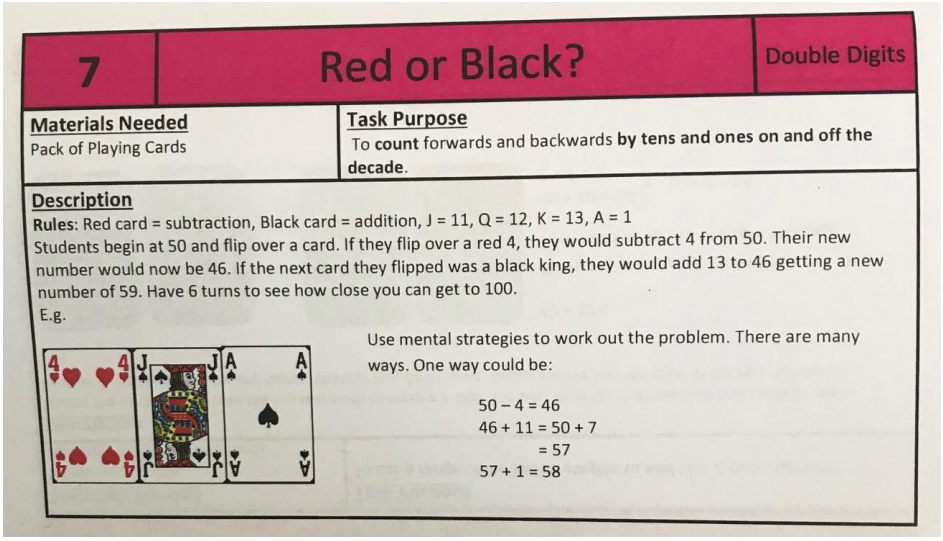
6 Discuss with a friend what strategies you would use to solve these problems. *Solve* them, then check your solutions with other groups in the class.

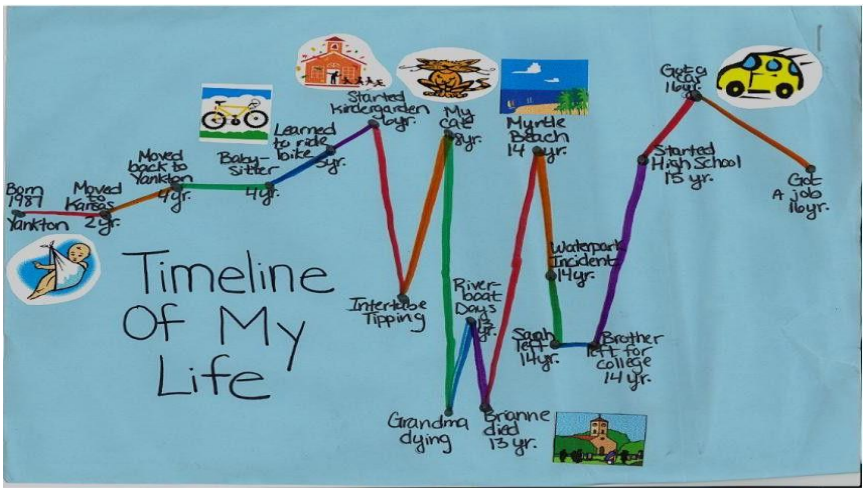
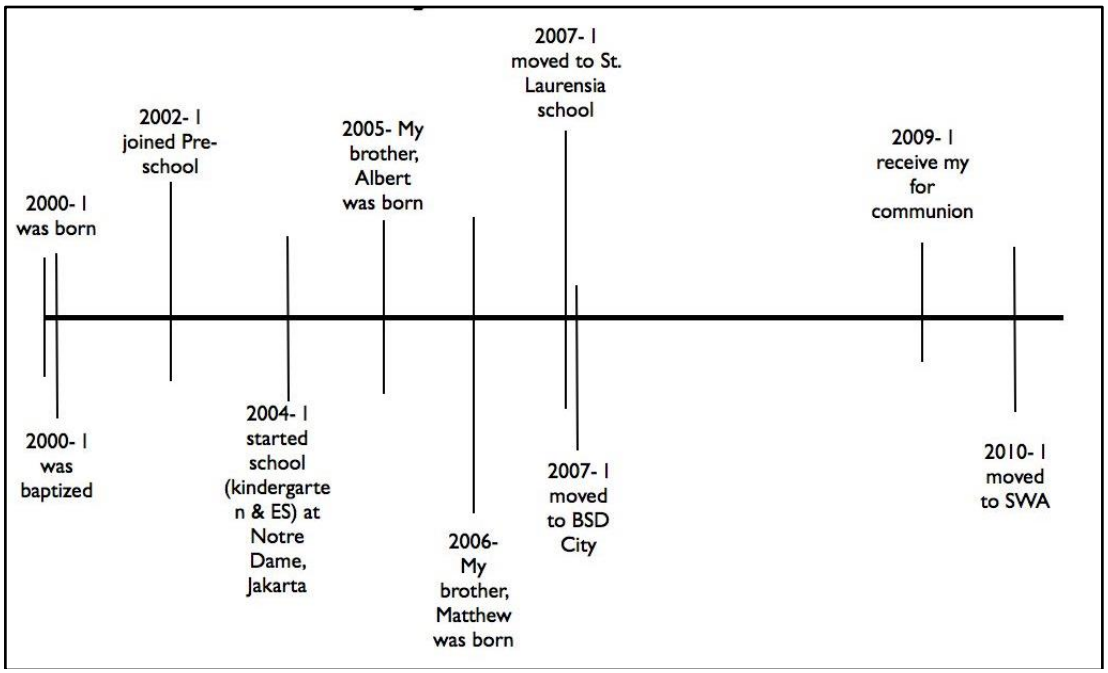
	Problem		Strategies	Answer
a	A farmer planted 78 trees in 6 paddocks. If the trees were shared equally, how many trees would there be in each paddock?			
b	A teacher shared 96 counters among 6 children. How many did each child receive?			
c	Mrs Cook bought 5 tins of beans for 79c per can and a can of dog food for 96c. How much did she spend on her purchases?			
d	Samuel saved $35 per week for 9 weeks from his weekly wages. How much did he save altogether?			
e	Mr Hill planted 100 flowers but only $\frac{3}{4}$ of them sprouted. How many flowers sprouted?			
f	A bicycle wheel has a circumference of 2 m. How many times will it need to turn to cover a distance of 528 m?			
g	The cake stall collected $296 at the fete. If $20 was spent hiring a tent and $70 was spent on ingredients, what was the cake stall profit?			
i	The cost of a camp was $40 per child plus $15 each for the bus. How much money did the teacher collect from 30 students?			

7 Think about the strategies you used to solve question 6g and write another method you could use in the future to solve a problem like it.

Other	Create something out of sticks you find in your backyard OR Listen to music and relax.

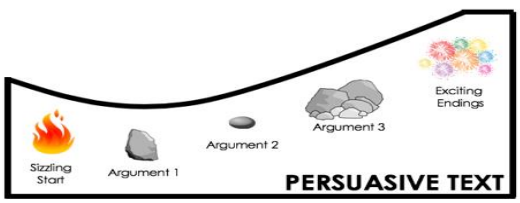
Thursday

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	Authors often use adjectives (words used to describe nouns) to make their writing more interesting and to give more information to the reader. For example: The *young* <u>man</u> sat under the *apple* <u>tree</u>. Use adjectives to describe the underlined nouns in the sentence below to make it more interesting. **<u>Children</u> played in the <u>sand.</u>**
Comprehension	Watch a TV show/ movie of your choice. Brainstorm and identify the sizzling start, the pebble, rock, and boulder, and the exciting ending. Write these in your book.
Maths activity	
Maths Problem Solving	Mrs. Cameron is building a fence around her rectangle garden. Her garden is 4 metres long and 5 metres wide. Each section of fence is 1 metre long. How many sections of fence does she need to buy?

	Officer McDonald has given out 200 more speeding tickets than Officer Thomas. If Officer Thomas has given out 400 speeding tickets how many speeding tickets did Officer McDonald give out?
Maths: Time	**Make your own personal timeline. Make sure to include important events in your life, such as your birthday.** **Be creative.** **Create your timeline using google docs or create a poster and use photos that relate to each event e.g. a baby photo for your birth, school photo for your first day of kindy.**  

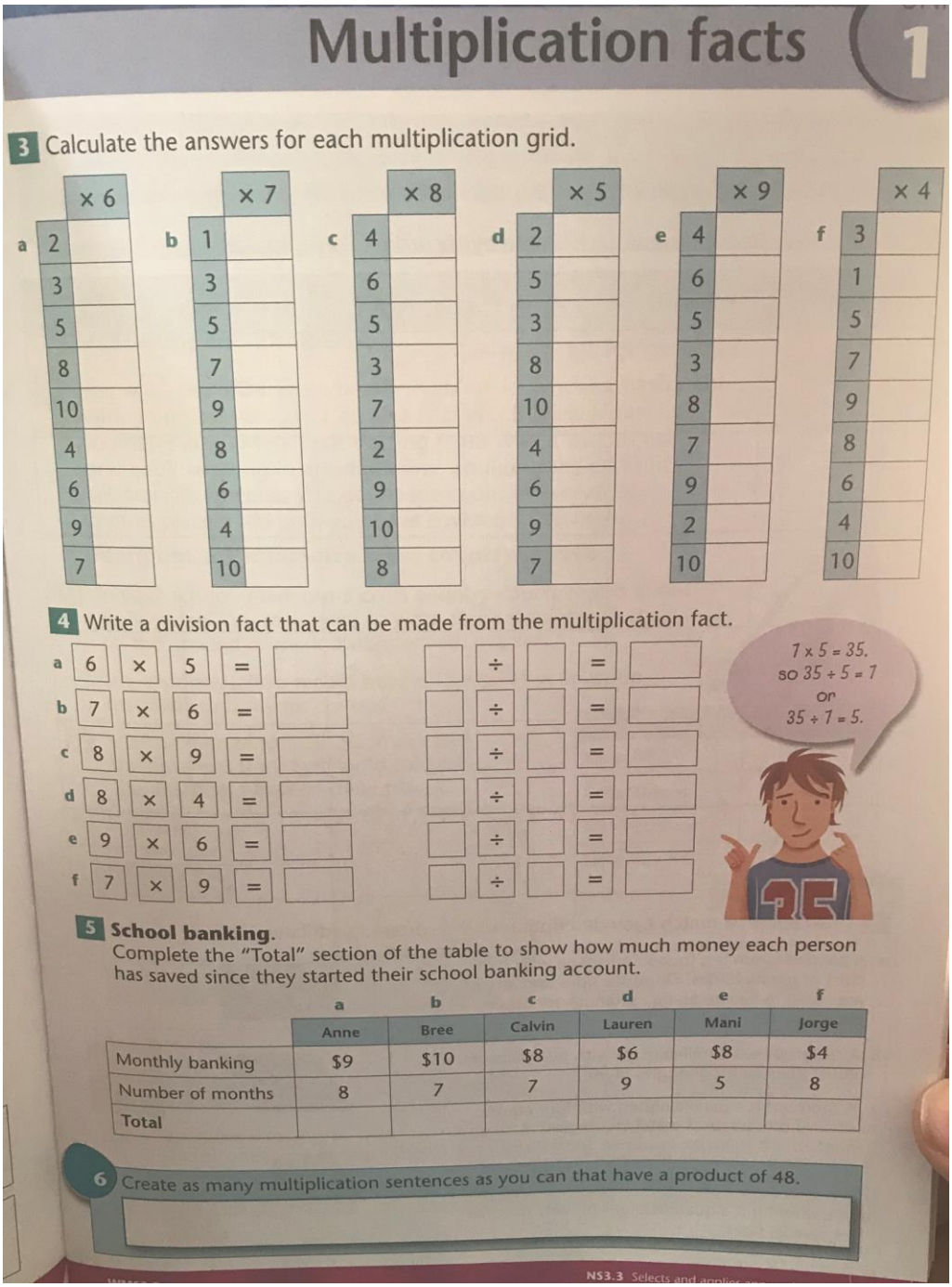
	<table><tr><td>1)</td><td>100 – 7</td><td></td></tr><tr><td>2)</td><td>Write one thousand three hundred eight</td><td></td></tr><tr><td>3)</td><td>What is the value of the digit 9 in the number 3291?</td><td></td></tr><tr><td>4)</td><td>Double a number is 26. What is the number?</td><td></td></tr><tr><td>5)</td><td>What fraction is shaded?  </td><td></td></tr><tr><td>6)</td><td>How many cm in 3 ½ meters?</td><td></td></tr><tr><td>7)</td><td>3 ½ + 4 ½</td><td></td></tr><tr><td>8)</td><td>Double 7 = ___ + 10</td><td></td></tr><tr><td>9)</td><td>Add together 5 dimes and 3 nickels</td><td></td></tr><tr><td>10)</td><td>Measure this line in inches _____</td><td></td></tr><tr><td>11)</td><td>Flame has 65¢. Tyger has 4 dimes and 2 nickels. How much more does Flame have?</td><td></td></tr><tr><td>12)</td><td>A watch costs $39. How much change from $50?</td><td></td></tr><tr><td>13)</td><td>Milly is 7 cm taller than Molly. If Milly is 106cm tall, how tall is Molly?</td><td></td></tr><tr><td>14)</td><td>The clock shown is 30 minutes slow. What is the correct time?  </td><td></td></tr><tr><td>15)</td><td>Which of these numbers is not a multiple of 3? 18 13 9 12 15</td><td></td></tr><tr><td>16)</td><td>An apple weighs about 100 grams. Roughly how much do 8 apples weigh?</td><td></td></tr></table>
Other	Design a game to play outside with your family OR Go for a walk / bike ride with an adult.

Friday

Spelling	Get someone to test you on your spelling words or do a look cover write check with them.
Writing	Can you write a letter to your parents to persuade them to give /or raise your pocket money. Write a persuasive text giving the reasons why you deserve it.  

Reading	Read for 20 minutes
Sentence of the Day	Authors often use adjectives (words used to describe nouns) to make their writing more interesting and to give more information to the reader. For example: The *young* man sat under the *apple* tree. Use adjectives to describe the underlined nouns in the sentence below to make it more interesting. • **The train rolled through the tunnel.**
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	There are 5 year 4 classes in the school. Each class has 20 pupils. How many pupils are in year 4? The pharmacist has 70 bottles of medicine. She needs 100 bottles for the shelf to be full. How many more bottles does she need?
Maths:	MENTAL MATHS SHEET 4:9

1)	Write down the number four thousand and sixteen.	
2)	154 + 30	
3)	How many tens in 180?	
4)	Round 828 to the nearest 100.	
5)	Half of 72	
6)	60 subtract 17	
7)	What is the perimeter of this rectangle? 2 cm 12 cm	
8)	4000 + 300 + 5 =	
9)	24 ÷ 8	
10)	What digital time is shown on the clock. 	
11)	What is the remainder when 22 is divide by 5?	
12)	A train journey takes 1 hour 40 minutes. If I set off at 9:30am what time would I arrive?	
13)	How many meters is 3 ½ kilometres?	
14)	The temperature on a cold day is -3°C. It rises by 5°C. What is the temperature now?	
15)	⅜ + ___ = 1	
16)	I am a square with sides length 4cm. What is my area?	



Multiplication facts 1

3 Calculate the answers for each multiplication grid.

a	× 6
	2
	3
	5
	8
	10
	4
	6
	9
	7

b	× 7
	1
	3
	5
	7
	9
	8
	6
	4
	10

c	× 8
	4
	6
	5
	3
	7
	2
	9
	10
	8

d	× 5
	2
	5
	3
	8
	10
	4
	6
	9
	7

e	× 9
	4
	6
	5
	3
	8
	7
	9
	2
	10

f	× 4
	3
	1
	5
	7
	9
	8
	6
	4
	10

4 Write a division fact that can be made from the multiplication fact.

a	6	×	5	=			÷		=	
b	7	×	6	=			÷		=	
c	8	×	9	=			÷		=	
d	8	×	4	=			÷		=	
e	9	×	6	=			÷		=	
f	7	×	9	=			÷		=	

5 **School banking.**
Complete the "Total" section of the table to show how much money each person has saved since they started their school banking account.

	a	b	c	d	e	f
	Anne	Bree	Calvin	Lauren	Mani	Jorge
Monthly banking	$9	$10	$8	$6	$8	$4
Number of months	8	7	7	9	5	8
Total						

6 Create as many multiplication sentences as you can that have a product of 48.

NS3.3 Selects and applies

Other	Play Charades with your family or Play a board game with your family or Listen to some music and relax.