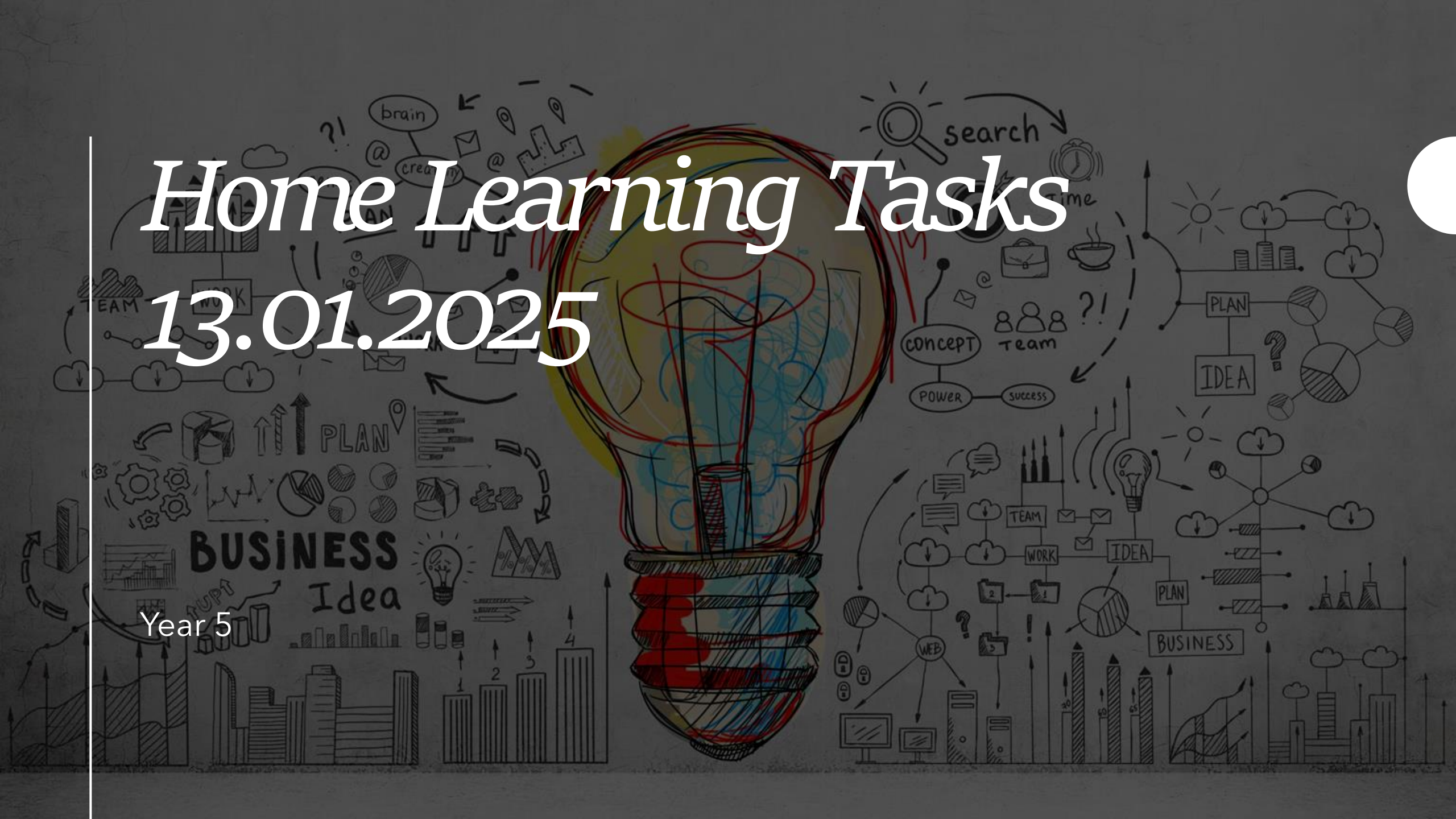
Home Learning Tasks 13.01.2025

Year 5



Hello Year 5!

Please find some maths tasks that we would like you to complete.

You may choose which tasks you complete.

Please do not feel pressured to complete them all – we just want to give you a variety of options to choose from.

Multiply up to a 4-Digit Number by a 1-Digit Number

1) Complete the sentences to describe the multiplication.

Th	H	T	O
1000	100	10 10 10	1 1
1000	100	10 10 10	1 1

There are _____ ones altogether.

There are _____ tens altogether.

There are _____ hundreds altogether.

There are _____ thousands altogether.

1132 × 2 = _____

2) A cinema has 3124 seats. The cinema is fully booked for 3 nights.

How many people visit the cinema in total? ☐

Use the formal method of short multiplication to solve the problem.

Th	H	T	O
1000 1000 1000	100	10 10	1 1 1 1
1000 1000 1000	100	10 10	1 1 1 1
1000 1000 1000	100	10 10	1 1 1 1

3) Complete the calculations.

a)

	2	1	6	2
×				3

b)

	1	2	1	1
×				6

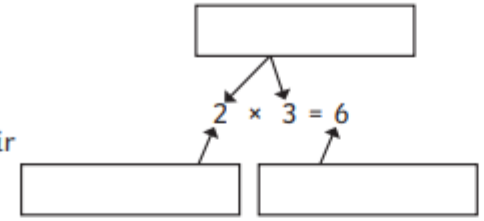
Factor Pairs

1) Choose the correct mathematical word to label the parts of the calculation.

factor

product

factor pair



2)

a) Find all two factor pairs of 14. Draw the arrays to match each factor pair.

Array 1	Array 2
The factor pair is ____ and ____.	The factor pair is ____ and ____.

b) Complete the stem sentence.

____ has ____ factors altogether.

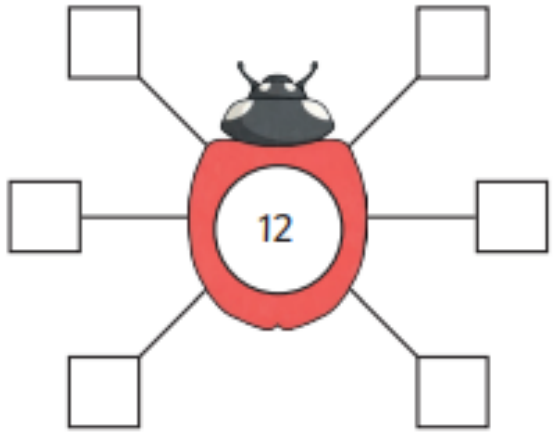
3)

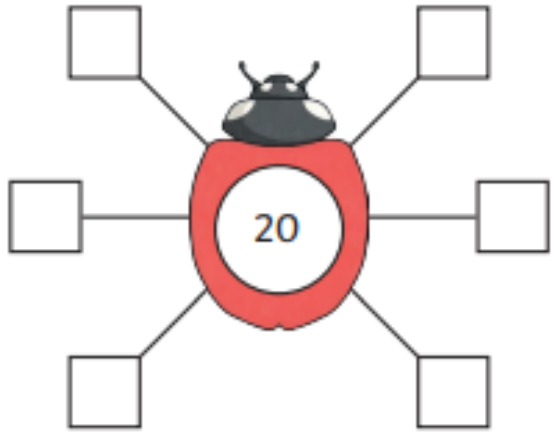
a) Circle all numbers that are not factors of 30.

1 2 3 4 5 6 7 8 9 10

b) Find two more factors of 30 that are not in the list above. ☐ ☐

4) Complete the factor bugs.





Multiply a 3-Digit Number by a 1-Digit Number

1) Using the place value chart, complete the calculation.

Hundreds	Tens	Ones
		
		
		

	2	3	3
×			3

2) Complete a short multiplication calculation to match each place value chart.

Hundreds	Tens	Ones
		
		
		
		
		

Hundreds	Tens	Ones
		
		
		
		

3) Use short multiplication to complete the calculations.

a) 261 × 7 = ☐

b) 308 × 4 = ☐

c) 2 × 729 = ☐

Long Multiplication Fluency

Example:

		2	1	2	3
x				3	2
		4	2	4	6
	6	3	6	9	0
	6	7	9	3	6
			1		

(2123 x 2)

(2123 x 30)

Remember: Before multiplying 2123 by 30, put a zero in the ones column as a place holder.

1.

		1	1	3	2
x				3	3
		3	3	9	6
	3	3	9	6	0

2.

		2	1	3	2
x				3	2

3.

		2	0	2	4
x				2	3

4.

		2	2	4	1
x				2	5
	1	1_1	2_2	0	5
	4	4	8	2	0

5.

		3	1	2	3
x				4	2

6.

		4	1	1	2
x				2	3

7.

		3	2	3	4
x				2	4

8.

		3	4	2	0
x				2	6

9.

		5	1	4	2
x				3	1

Long Multiplication Fluency

Use a formal method of long multiplication to solve these calculations.

1.

		3	1	2
	x		2	4
	1	2	4	8
	6	2	4	0

2.

		4	7	3
	x		1	5
				0

3.

		2	9	4
	x		3	6

4.

		9	5	7
	x		2	8

5.

	1	3	6	2
x		3	2	

6.

	1	7	3	5
x		4	1	

7.

	1	0	5	7
x		5	7	

8.

	3	1	6	6
x		2	9	

9.

	2	0	0	3
x		4	9	

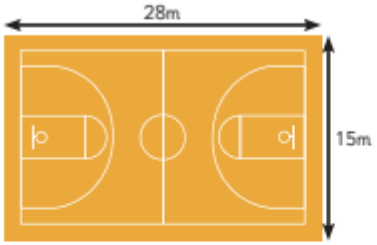
Mixed Word Problems

Solve these word problems. Don't forget to show your workings for each one.

1. Kamika has 256 pigs on her farm. Freddie has 373 more pigs on his farm than Kamika. How many pigs does Freddie have?

2. Tayla and Ella are making lemonade. Tayla makes 453 ml and Ella makes 338 ml. How much more lemonade has Tayla made than Ella?

3. Tim is selling tickets to the school pantomime horse race. Each one costs £4. If he sells 230 tickets, how much money does he make?



4. A basketball court measures 28 metres by 15 metres. What is its total area?

5. 4 people are going to a football match and spend a total of £64 on their tickets. If they share the cost equally, how much does each person spend?

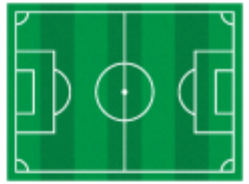
Mixed Word Problems

Solve these word problems. Don't forget to show your workings for each one.

1. In a school there are 1375 girls and 1526 boys.
How many boys and girls are there in the school altogether?

2. There are 2376 books in a school library.
If 1284 have been taken out, how many are left?

3. If a football pitch measures 24 metres by 33 metres, what is its total area?



4. A show is running in a theatre with 342 seats. The show runs once a day every day for a week. If all of the tickets have been sold, how many people will see the show?

5. 4 people are going on a camping trip. The total cost of their stay is £172. How much will each person pay if the cost is split equally between each person?

Mixed Word Problems

1. A band are playing in an arena. On Saturday, 31 713 people see the band play and on Sunday, 20 919 go to their show. How many people go to see the band in total over the two days?

2. A factory makes 4562 cupcakes in a day. The cupcakes are sold in boxes of 4. How many full boxes can be made?

3. Liz and Rex each book a one way ticket from London. Liz travels to New York and Rex goes to Moscow.

	Sydney (Australia)	New York (USA)	Moscow (Russia)	Cairo (Egypt)
London (UK)	10 553 miles	3459 miles	1792 miles	2180 miles

How much further does Liz travel than Rex?

4. To make one marshmallow, banana and turnip cake, Charlie needs 275g of sugar. How much sugar will Charlie need for 12 cakes? Give your answer in kg.

5. In August, 15 341 people visit a theme park. In September, 3260 fewer people visit. How many people visited the theme park in August and September in total?

Factors and Factor Pairs

1. a) Circle which of these diagrams shows 3 x 5.

b) Circle the correct answer that completes the following sentence.
The diagram shows that 3 and 5 are both factors of...

3 5 15 10

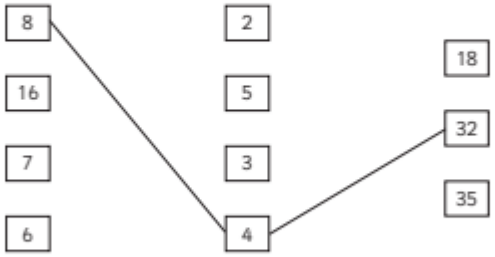
2. a) Circle which of the following numbers are factors of 12.

4 6 5 12 2 3 9

b) Which factor of 12 is missing from the numbers above? .....

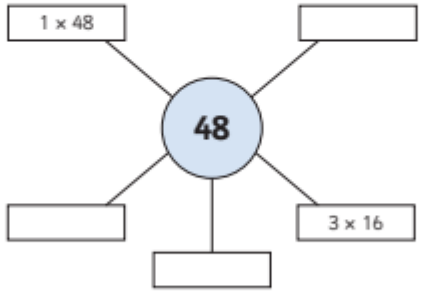
c) Give the three factor pairs of 12. .....

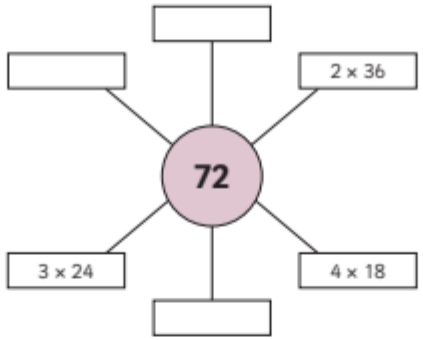
3. Draw a line between a number in each of the first two columns to make a factor pair, then draw a line to match the factor pair to the number they make. One has been done for you.



Factors and Factor Pairs

4. Complete each diagram to show all of the factor pairs of the number in the circle.





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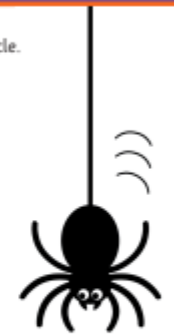


Hello Year 5!

Please find some English tasks that we would like you to complete.

You may choose which tasks you complete.

Please do not feel pressured to complete them all – we just want to give you a variety of options to choose from.

Finding Clues

On the left hand side are details of some activities carried out by different groups of people.

On the right hand side are some other sentences which give us information that can be worked out from the sentences on the left.

With a partner, match up the details in the left-hand column with those on the right.

1) They piled their plates high with food.	a) They were feeling disappointed and miserable.
2) They cheered so loudly that they could be heard at the other end of the street.	b) It looked like it was going to rain.
3) With their heads hung low, they looked sadly at each other.	c) They had good appetites.
4) They wore the football strips of the teams they were supporting.	d) They supported different teams.
5) They cycled five miles to the park before starting their weekly run.	e) They were very excited.
6) They took their coats with them when they set off to the football match.	f) They made an effort to keep fit.
7) They knew everything about each other.	g) They lived close to each other.
8) They were able to walk to each others' homes.	h) They had been friends for a long time.

Fiction Book Review

Title:

Author:

Describe the story's setting:

Describe the main character:

Write a summary of the plot:

What did you like about the book?

What did you not like about the book?

Who would you recommend the book to? Explain why.

I would rate it

/ 10

Write a book review on a book you have recently read.

Fiction worksheet

Answer these questions on fiction story types.

1. Which type of story would you find each character in? Use the words in the box.

Horror
Fantasy
Mystery



....

2. What type of story do you think this passage comes from? Tick a box.

> Simon panted as he sprinted down the gravelly slope. Behind him, a huge boulder tumbled down the canyon, nipping at Simon's heels like a bloodthirsty hound. Out of the corner of his eye, he saw a narrow gap in the rock and immediately dived into it. The boulder surged past him and its thunderous noise gradually faded to a gentle rumble.
> "Phew, close shave," Simon wheezed, wiping the sweat from his brow.

Adventure story ☐ Fairy tale ☐ Mystery story ☐

3. Can you draw a suitable setting for each story?

A horror story called 'The Haunting'.

A science fiction story called 'Invaders'.

Fiction worksheet

4. Draw lines to match each story type to the right definition and example.

Definition		Example
A traditional story based on real events. Details have been changed or exaggerated.	Myth	A story about a boy who really existed. He became king after pulling a sword from an anvil.
A story which takes place in an imaginary world and involves magic	Fantasy story	A very old story about Persephone that explains why we have seasons.
A story used by an ancient culture to explain the world around them.	Science fiction story	A story where astronauts travel to an unknown planet.
A story which is set in the future and involves advanced technology.	Legend	A story set in a mystical kingdom filled with wizards and goblins.

5. Write down two characters and one setting you might find in each type of story.

Fairy tale

Character 1: .....

Character 2: .....

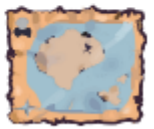
Setting: .....

Adventure story

Character 1: .....

Character 2: .....

Setting: .....



Sponge Cake Recipe

Here is a recipe for making a cake. Read it, then carefully copy it on the lines below.

1. Preheat the oven and grease two tins.
2. Crack your eggs into a large bowl.
3. Carefully add the flour, sugar, butter and a sprinkling of baking powder.

4. Using an electric whisk (or a wooden spoon if you're feeling strong!), mix everything together.
5. Pour the mixture evenly into two tins, then pop into the oven until the cakes are golden brown.
6. Allow the cakes to cool before decorating.

Copy out the recipe to practise your cursive handwriting.

Dragon Story Prompt

Use the picture below as inspiration to write a story of your own.
Plan and write your story on another sheet of paper or in your book.

Look at the ten words in the box and try to use them in your writing. If you're not sure what some of the words mean, check their definitions in a dictionary.

Remember to use:

- Capital letters and full stops.
- Interesting language.
- Varying sentence lengths.
- Vivid descriptions of what your characters see, hear and do.

assumed	retorted	appendage	pupils	phenomenal
whistling	ochre	menacingly	companion	melancholy

Ancient Egypt Story Prompt

Use the picture below as inspiration to write a story of your own.
Plan and write your story on another sheet of paper or in your book.

Look at the ten words in the box and try to use them in your writing. If you're not sure what some of the words mean, check their definitions in a dictionary.

Remember to use:

- Capital letters and full stops.
- Interesting language.
- Varying sentence lengths.
- Vivid descriptions of what your characters see, hear and do.

observed	surmounted	architecture	hooves	wondrous
sinking	incredulous	humorously	turquoise	speck