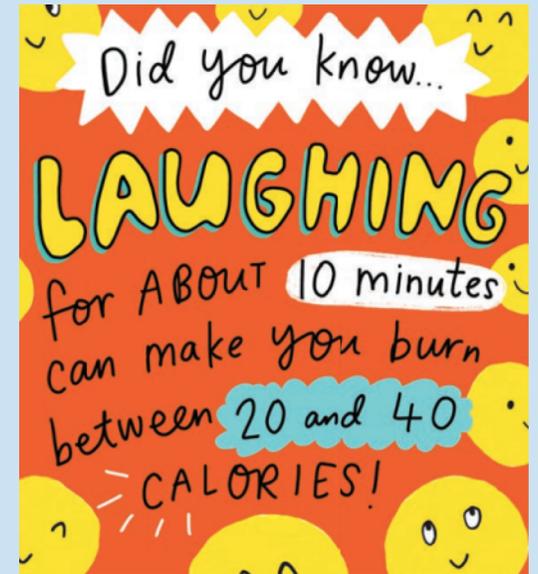
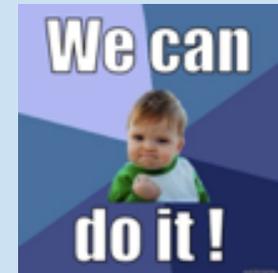




NEW VALLEY PRIMARY SCHOOL REMOTE LEARNING



Year 6
Oak



Thursday 28th January 2021

Recommended Daily Timetable

The date: Thursday 27th January 2021

27.1.21



Morning

Don't forget to write the date and subject for each piece of work!

Group 1
Teams call
9-9.30am

9 - 9.30

Group 2
Teams call
9.30-10am

or 9.30 - 10

P.E.

10 - 10.30

VIPERS
Reading

10.30 - 11

Break Time

11 - 11.15

Mathematics

11.15 - 11.45

Homework

11.45 - 12

Afternoon



*Click here for a PE session with
Chipstead Valley's coach, Coach Oliver*



12 - 12.30

Reading

12.30 - 1

Lunch Time

1 - 2

English

2 - 2.30

Wider curriculum
Music

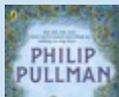
2.30 - 3

Chill time!

3 pm

Send your work, and any questions, to oak@newvalleyprimary.com





We'll read a bit of the book together and discuss this lesson in our morning call.

English

Today we are learning to: **Be creative!**

Read pages 58-61 of your copy of Clockwork (**Resource 3** – it's 2 pages!).

SPOILER ALERT!

Activity

As Baron Stelgratz can no longer donate his heart to Prince Florian (because he was eaten by wolves) Prince Otto decides to sacrifice his life in order to save his son's! He donates his heart, and Dr Kalmenius puts a mechanism in his body to make sure he can drive Prince Florian back home to the palace. No one knows the truth about what happened to Prince Otto. They only know that he was discovered dead, with clockwork in place of his heart. What rumours might people have come up with to explain this mystery? Write your rumours in speech bubbles (**Resource 3**)!

Maths

This week we are studying: **Percentages**
Follow the links to the White Rose website to find today's lesson on: **Equivalent fractions, decimals and percentages**

top tip! Keep track of our learning journey using **Resource 4!**

Click Me!

[Lesson video link](#)

[Lesson activity sheet link](#)

[Today's answers](#)

Resource 5/6



Wider Curriculum

Music

Mr Shepherd has created music lessons especially for us, so we can have our music lessons like usual on a Thursday afternoon!



Assignments for New Valley 20-21

What to do: Click on the links below to complete the assignments

WEEK 1: COMPOSE YOUR OWN MUSIC WITH MUSIC EXPLORER

WEEK 2: RHYTHM

WEEK 3: PITCH



[Click this link](#) to log on to Charanga (email oak@newvalleyprimary.com if you don't know your login).

Session focus: **Pitch**

In Charanga, click on 'Assignments' and then select 'Week 3' to start working your way through this week's lesson. Enjoy!

Remember to take lots of exercise and brain breaks away from your screen during the day!

VIPERS (Reading)

Read pages 58-61 of your copy of Clockwork (or look at **Resource 3**).

Don't forget to add a plot update to your working wall! Have a look at **Resource 1 & 2** for an example of our working wall so far.

Explain

- Page 59:** Why do you think Prince Otto decided to sacrifice his heart to save his son's life?
- Page 60:** Why did Dr Kalmenius do an operation on Prince Otto to put clockwork in his chest?

Inference

- Page 61:** How do you think Princess Mariposa felt when the sledge arrived back at the palace?

TT Rock Stars

Practise your times tables using [Times Table Rock Stars!](#)

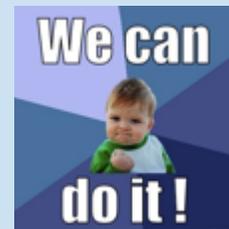
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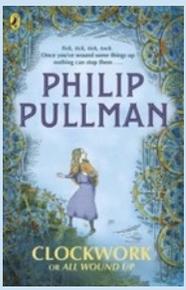


We'll go over this in our afternoon meeting tomorrow.

'Homework'

Have a go at the homework in **Resource 7**.





Resource 1 Clockwork working wall

Setting

Gluckenheim - a small German town

It was a winter's evening...

Royal palace

Sir Ironsoul
- beautiful metal knight sculpture
- when he hears a trigger word, he will not stop until his sword is in the throat of the person who says it
- The 'Flowers of Lapland' tune deactivates him

Baron Stelgratz
- trusted family friend
- adored by Prince Florian
- chosen as person to sacrifice his heart to save Prince Florian

Princess Mariposa
- desperate for a child
- finally has a baby but he sadly dies

Husband and wife, desperate for an heir.

Prince Florian
- made by Dr Kalmenius as a replacement for the Prince and Princess's baby that died
- starts seizing up and developing a mysterious illness aged 5

Dr Kalmenius
- cleverest man in Europe
- rumoured to experiment on dead people
- spectacular clockmaker
- character in Fritz's story

Fritz
- novelist (writes stories)
- optimistic (glass half full)
- supportive friend, lots of empathy

Prince Otto
- goes hunting with his friend (Baron Stelgratz) & son (Prince Florian)
- found dead 2 days later
- clockwork mechanism in the place of his heart

Characters

■ = in 'real' life
■ = in Fritz's story

Herr Ringlemann
- clockmaker
Gretl
- landlord's daughter

Karl
- clockmaker's apprentice
- pessimistic (glass half empty)
- negative, aggressive tone of voice & body language

Both having problems with their jobs (Karl hasn't made his figure for the clock and Fritz hasn't finished his story)

I think Prince Otto was on his way to visit Dr Kalmenius to ask him to fix his son when we heard about him dying in Fritz's story!

Plot updates

PART 2

1 We have jumped back in time to the setting of Fritz's story! Prince Otto and Princess Mariposa desperately want a child (an heir to the throne). Princess Mariposa finally gives birth to a son but he sadly dies shortly after. Prince Otto demands that Dr K makes him a replacement child. After 5 years, Prince Florian starts seizing up and developing a mystery illness.

2 The royal physician prescribes cod liver oil but Prince Otto knows it won't work because the child is not a human. Dr K says he always knew that this would happen but he didn't tell Prince Otto as he was in too much of a rush to ask. Dr K says the only thing that can save Prince Florian is a new heart. Prince Otto plans to use Baron Stelgratz's heart to save his son - Baron Stelgratz doesn't know his plan!



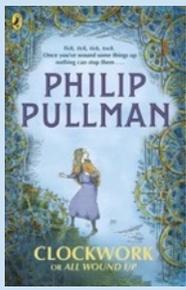
3 We'll come up with a plot update in our morning call!

Theories

Queries

Remember to take lots of exercise and brain breaks away from your screen during the day!

Does Princess Mariposa know that Prince Florian is not her real son, but a replacement?



Resource 2 Clockwork working wall

Setting

It was a winter's evening...

Glockenheim - a small German town

Sir Ironsoul
- beautiful metal knight sculpture
- when he hears a trigger word, he will not stop until his sword is in the throat of the person who says it
- The 'Flowers of Lapland' tune deactivates him

Dr Kalmenius
- cleverest man in Europe
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Fritz
- novelist (writes stories)
- optimistic (glass half full)
- supportive friend, lots of empathy

Karl
- clockmaker's apprentice
- pessimistic (glass half empty)
- negative, aggressive tone of voice & body language

Both having problems with their jobs (Karl hasn't made his figure for the clock and Fritz hasn't finished his story)

I think Dr K is trying to get people to do his dirty work for him - he knew someone would say the trigger!

I think there are lots of stories within the story, like cogs in a clock!

Theories

I think Philip Pullman was inspired by the Rathaus-Glockenspiel clock in Munich, Germany.



Plot updates PART 1

1 The story starts on a winter's evening in the small German town of Glockenheim. Some of the townsfolk were in the White Horse Tavern (pub).

2 Karl's clockmaking apprenticeship with Herr Ringlemann is almost over. It is a tradition that when the apprenticeship comes to an end, the apprentice makes a new figure for the great Clock of Glockenheim.

3 Karl is miserable. He confesses to Fritz that he has not made his figure, and the whole town will think he is a failure when he is meant to unveil it tomorrow.

4 Fritz, an optimist, tries to comfort Karl but it doesn't seem to work. We learn that Fritz's new story is called 'Clockwork'. Fritz is also slightly nervous because he hasn't finished writing it!

5 Fritz starts telling his story: Prince Otto and a friend take his young son out hunting. The prince's body is found dead, but still moving. When the doctor opens him up, he discovers a clock where his heart should be. He takes it out and the body stops moving. The townsfolk are loving Fritz's story!

6 Just as Karl starts describing a sinister character (Dr Kalmenius) in his story, Dr Kalmenius appears in the tavern (in real life!). Fritz throws his story manuscript into the fire and runs out shouting 'have nothing to do with this man'. Karl stays in the tavern with Dr Kalmenius.

7 Dr Kalmenius offers Karl an incredible metal sculpture - a knight called Sir Ironsoul. Karl discovers that when the knight hears a trigger word, it will not stop until its sword is in the throat of the person who said it (or he hears a special tune). Karl decides to take up Dr K's offer and plans to use it for his grand unveiling tomorrow.

8 Karl leaves Sir Ironsoul in the tavern while he goes out to prepare the clock. Gretl can't go to sleep and is thinking out loud. She accidentally summons Sir Ironsoul. The sheet of canvas falls softly to the floor...

Remember to take lots of exercise and brain breaks away from your screen during the day!



Remember to take lots of exercise and brain breaks away from your screen during the day!

58

tearing after. Prince Florian sat beside the baron, gripping the side of the sledge, and watched fearfully as the wolf-pack raced closer and closer. Baron Stelgratz emptied his rifle at the pack of leaping, slavering beasts, without deterring them in the least, and the sledge bumped and swayed from side to side on the rough track. At any moment they might crash, and then they would all perish.

‘Highness!’ cried the baron. ‘There is only one thing to do, and I do it with all my heart!’

And the good old man threw himself off the sledge. To save his friends, he sacrificed himself.

Instantly the wild wolves turned on him and tore him to pieces, and the sledge drove on into the silent forest, leaving the snarling, howling beasts far behind.

And *now* what could Prince Otto do?

Drive on, was the only answer; drive on! And hope to find some lonely huntsman or woodcutter, and compensate their family later on. But not a single human being came into view. Behind Prince Otto, the little child, wrapped in furs, was huddled alone on the bouncing seat of

59

the sledge, stiffening, growing colder, changing back into a machine minute by minute. Occasionally the movement of the sledge would shake a little song out of him, but he spoke no more.

Finally they arrived at the mines of Schatzberg, and the house of the clockwork-maker.

And there was only one solution. Prince Otto realized that he had to sacrifice himself, and he was ready. The dynasty was more important than anything else: more important than happiness, than love, than truth, than peace, than honour; far more important than his own life. Prince Otto would give up his heart, cold, fanatical, and proud as it was, for the sake of the future glory of the Royal House.

‘You’re quite sure this is what you want?’ said Dr Kalmenius.

‘Don’t argue with me! Take out my heart, and put it in my child’s breast! It doesn’t matter if I die, as long as the dynasty lives!’

The problem now was not the heart, it was the return: how could the child drive back on

60

his own? So, for an extra payment, Dr Kalmenius agreed to animate the dead body of Prince Otto with a small degree of purpose – just enough to drive the sledge back to the palace.

The operation was performed. Prince Otto’s heart was detached from his breast with subtle instruments, and transferred into the weak and failing body of the silver boy. Instantly, a bright flush of health took the place of Prince Florian’s metallic pallor, his eyes opened, and a lively vigour spread through all his limbs. He was alive.

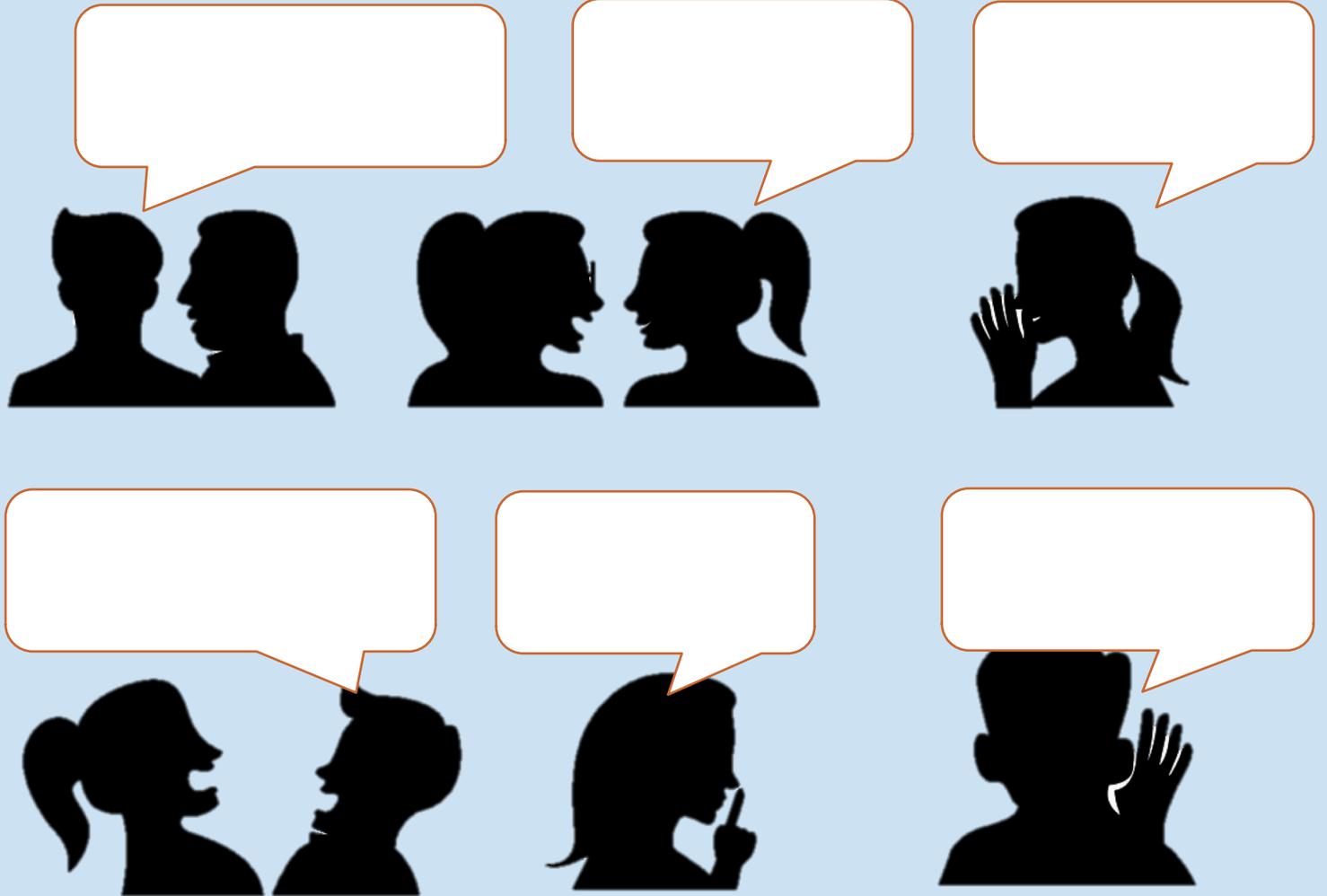
Meanwhile, Dr Kalmenius prepared a simple piece of clockwork apparatus to put in the breast of Prince Otto. It was very crude; when it was wound up, it would make his body drive to the palace. That was all it would do. But it would do it for a long, long time. If Prince Otto’s body had been taken to the other side of the world, he would have set off at once for home, though the flesh rotted and fell off his bones, and would never stop until many years later, when his skeleton drove the sledge into

the courtyard, with the clockwork ticking in his ribs.

So Dr Kalmenius placed the sleeping body of Prince Florian in the sledge, well wrapped up against the cold, and put the whip into the hand of his dead father, who began at once to lash and lash and lash; and the horses, foaming with terror, began their mad gallop homewards.

And a strange homecoming they had of it. You might have heard the tale of how the sledge drove in at the palace gates, and how the Royal Physician found the clockwork heart. The servants whispered about the dead man whose arm wouldn't keep still, and rumours and guesses flew through the palace and the city like shuttles in a loom, weaving a story of corpses and ghosts, of curses and devils, of death and life and clockwork. But no-one knew the truth.

In speech bubbles, think of some of the rumours that the townsfolk may have been spreading about what happened to Prince Otto! Be as creative as you can...



We can



do it!

Remember to take lots of exercise and brain breaks away from your screen during the day!

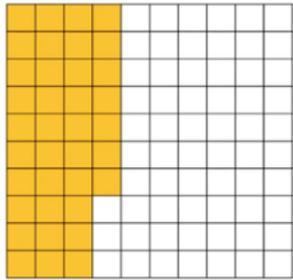


PERCENTAGES

This working wall, just like the one in our classroom, will help you keep track of the big ideas in our learning journey.

What is a percentage?

WHAT'S THE
BIG IDEA

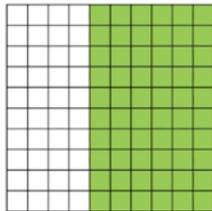



Percent means parts out of 100

There are $\frac{37}{100}$ parts out of a hundred shaded.
This is $\frac{37}{100}$ %

6 out of 10 pieces shaded = $\frac{6}{10}$

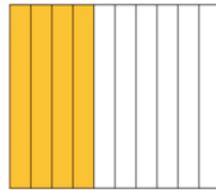
$$\frac{6}{10} = \frac{60}{100} = 60 \text{ out of } 100 = 60\%$$



Click Me!

[Click here](#) to recap the Lesson 1 video!

Converting fractions to percentages



$$\frac{4}{10} = \frac{40}{100} = 40\%$$

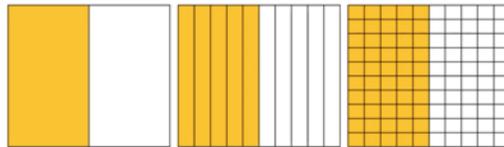
$\frac{40}{100} = 40 \text{ out of one hundred} = 40\%$

WHAT'S THE
BIG IDEA



To turn a fraction into a decimal, first make sure it is 'out of 100' and the denominator is 100!

If it's not, find an equivalent fraction where the denominator is 100 - like these examples!



$$\frac{1}{2} = \frac{5}{10} = \frac{50}{100} = 50\%$$

$$\frac{5}{10} = \frac{50}{100} = 50 \text{ out of one hundred} = 50\%$$

Click Me!

[Click here](#) to recap the Lesson 2 video!

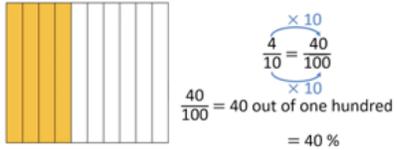
Equivalent fractions, decimals and percentages

Ones			$\frac{1}{10}$	$\frac{1}{100}$	$\frac{1}{1000}$
100s	10s	1s	0.1	0.01	0.001

Resource 5

Maths

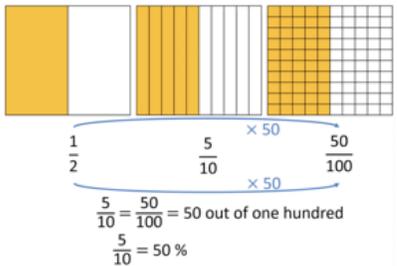
Converting fractions to percentages



WHAT'S THE BIG IDEA

To turn a fraction into a decimal, first make sure it is 'out of 100' and the denominator is 100!

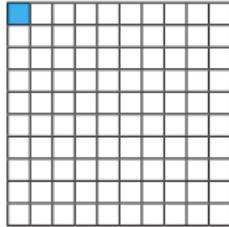
If it's not, find an equivalent fraction where the denominator is 100 - like these examples!



Equivalent FDP

Maths

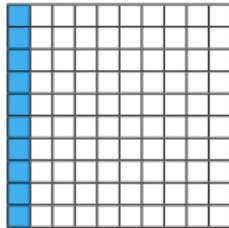
1 What fraction, decimal and percentage of each grid is shaded blue?



fraction =

decimal =

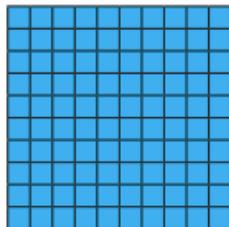
percentage =



fraction =

decimal =

percentage =



fraction =

decimal =

percentage =

2 Match the equivalent fractions, decimals and percentages.

$\frac{15}{100}$

0.05

5%

$\frac{1}{20}$

0.5

15%

$\frac{1}{5}$

0.2

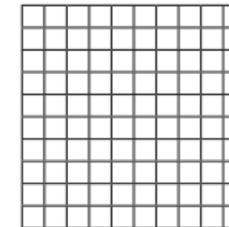
50%

$\frac{1}{2}$

0.15

20%

3 a) Shade the grid in the given proportions.



- $\frac{3}{10}$ green
- 0.03 red
- 13% blue
- 0.3 yellow

b) What proportion of the grid is unshaded?

Write your answer as a fraction, decimal and percentage.

fraction = decimal = percentage =



Remember to take lots of exercise and brain breaks away from your screen during the day!



4 Complete the table.

Fraction	Decimal	Percentage
	0.21	
		12%
$\frac{2}{10}$		
	0.4	
	0.44	
		4%
$\frac{3}{4}$		
	0.99	

5 Amir was asked to complete the statement using $<$, $>$ or $=$.

14% $>$ 0.4

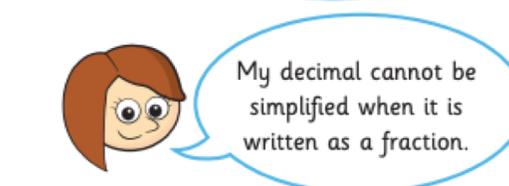


What mistake has Amir made?

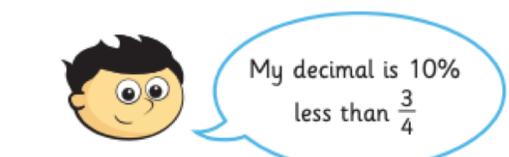
6 Match the decimal cards to the people.



0.65



0.57



0.61



0.6

7 Use the digit cards to write a decimal greater than $\frac{1}{5}$ but less than 40%.

You may not use a card more than once in each number.

0

1

2

3

4

5

□ . □ □

Have a go at learning these spellings.
You'll get a new set next Wednesday!

Weekly

Spellings
muscle
prejudice
available
determined
rhyme
identity
accommodate
suggest
competition
existence

Weekly

Dashes

4

Add a dash into these sentences

- 1) She only wants one thing a hug.
- 2) It's my birthday tomorrow how exciting!
- 3) You should never hit anyone it's against the rules.
- 4) I went to my favourite place over the summer Stonehenge.
- 5) My dad jumped out to scare me how mean!
- 6) We have 5 minutes don't be late!
- 7) There was just one problem the cat.
- 8) You should always pick up after your dog it's the law.
- 9) It's the summer holidays time to have some fun!
- 10) They made so many cakes 120!



daily

accommodate

accompany

according

Flashback 4

- 1) What is 3.6×10 ?
- 2) Multiply 13.95 by 10
- 3) Work out $1\frac{3}{5} + 2\frac{7}{10}$
- 4) Calculate the sum of 17.4 and 20.3

daily



Over the course of this week, practise writing these Year 6 words in your best joined up handwriting!