

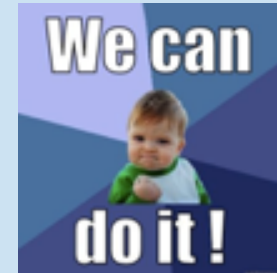


NEW VALLEY PRIMARY SCHOOL REMOTE LEARNING



We aren't going to stop thinking about our mental health just because Children's Mental Health Week has finished....keep expressing yourself and being kind to your mind!

Year 6
Oak



Monday 8th February 2021



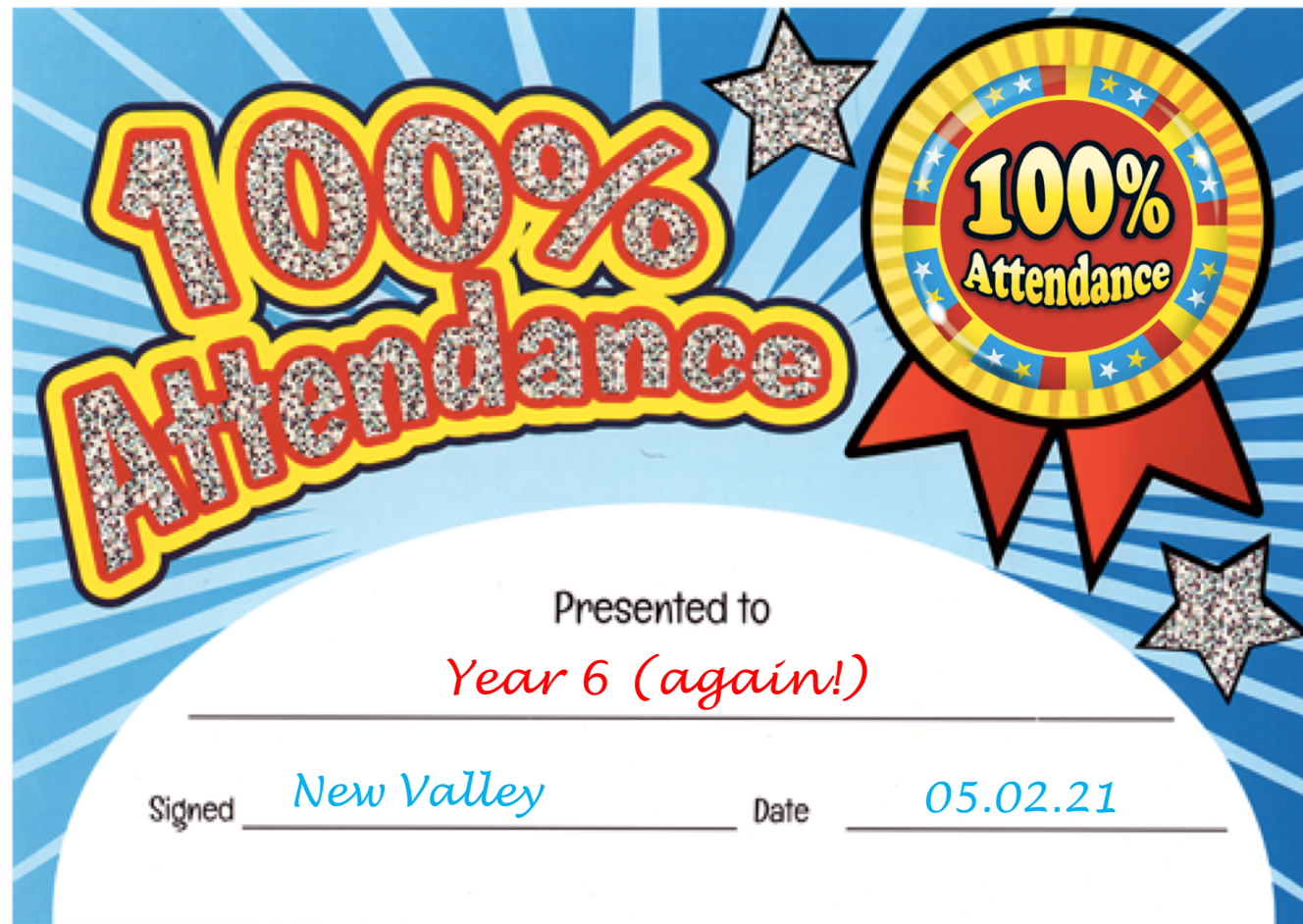
I am very proud of how hard you have ALL been working!



On Friday, Year 6 had 100% attendance and EVERYONE joined at least one of our calls!



Keep up the fantastic work Year 6 - you are being great role models!



Recommended Daily Timetable

The date: Monday 8th February 2021

8.2.21



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

or

**Group 2
Teams call
9.30-10am**

9.30 - 10

Get moving!

10 - 10.30

VIPERS
Reading

10.30 - 11

Break Time

11 - 11.15

Mathematics

11.15 - 11.45

Homework

11.45 - 12

Afternoon

Click Me!

[Wake up with Joe](#)

**Group 1
Teams call
12-12.30pm**

12 - 12.30

or

**Group 2
Teams call
12.30-1pm**

12.30 - 1

Lunch Time

1 - 2

English

2 - 2.30

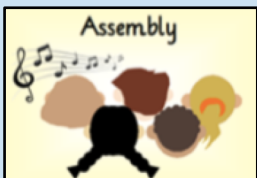
Wider curriculum
Science

2.30 - 3

Chill time!

3 pm

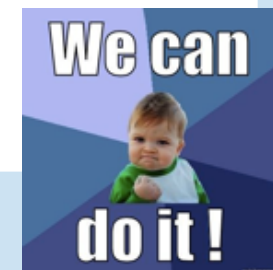
Join our Zoom assembly at 8.45!



Have a go at TTRS when the other group are having their Teams call!



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





Monday
8/2/2021

We'll discuss this lesson
in our morning call.

English

Today we are learning to: **Write a book review**

Activity

Read pages 83-92 of Clockwork
(Resource 3).

I hope you enjoyed reading
Clockwork – I definitely did! Have a
go at creating a book review.

Click Me!

[Click here](#) to have a look at a book
review template. You can fill this one
in and send it automatically to me,
or you can create your own on
paper, PowerPoint or PicCollage!

Click Me!

[Click here](#) to read a high quality
example of a book plot summary.

Maths

Keep track of our learning journey using [Resource 4!](#)

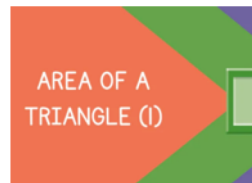
This week we are studying: **Area, perimeter and volume**
Follow the links to the White Rose website to find today's
lesson on: **Area of a triangle**

top
tip!

Resource 5/6

Click Me!

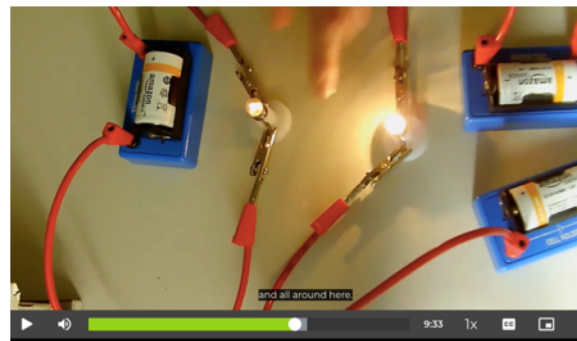
[Lesson video link](#)
[Lesson activity sheet link](#)
[Today's answers](#)



Wider Curriculum

Science

Our focus this term is:
Electricity



[Click this link](#) and work your way through the lesson.

Session focus: **What happens in a circuit when we change the components?**

In this lesson, we will be learning about voltmeters and
ammeters. We will then investigate what happens when we
change the number of cells and lamps in a circuit. We will be
writing predictions and conclusions in this lesson. **You will
need a pencil, a piece of paper and a ruler.**

VIPERS (Reading)

Read **pages 83 - the end!**

There aren't any questions today
because there's a lot of reading! Don't
forget to add your last plot update to
your working wall. You'll be using your
VIPERS skill of **summarising** in your
English activity!



SO, WHAT DID
YOU THINK?

TT Rock Stars

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

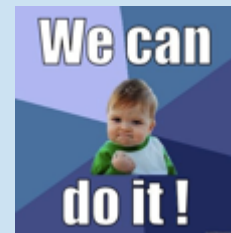
Click Me!



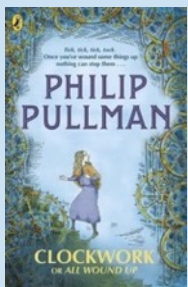
We'll go over this in our
afternoon meeting tomorrow.

'Homework'

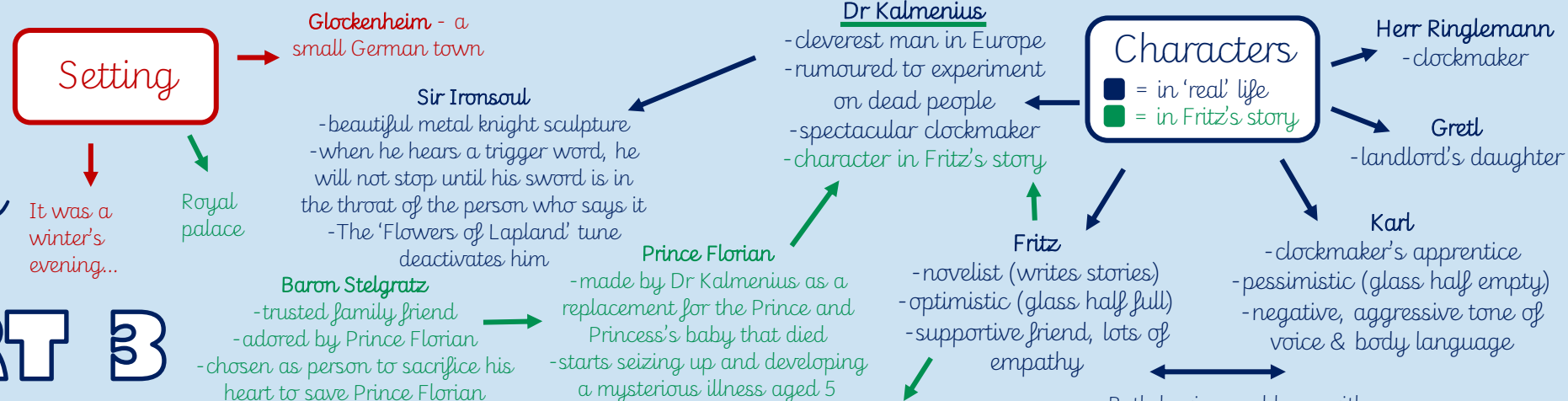
Have a go at the
homework in **Resource 7.**



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



Resource 1 Clockwork working wall



Plot updates

PART 3

We are back in the tavern with Gretl and Sir Ironsoul...

Prince Florian enters the tavern, singing 'The Flowers of Lapland', at just the right moment! He deactivates Sir Ironsoul with his singing. Gretl takes Fritz's manuscript out of the fire to find out who the little boy is but she finds that he hadn't finished it.

1 She leaves to go and find him.

Karl returns to the tavern and is baffled to find that Sir Ironsoul has moved. He spots Prince Florian and is delighted. He is an exquisite piece of machinery and Karl decides to use him, instead of Sir Ironsoul, for his big reveal tomorrow. He decides that he will keep Sir Ironsoul and use him as the perfect accomplice to help him become rich! He gets so excited that he loses all sense of what is right...

2

Year 6 trying to keep track of what's happening in Clockwork



Gretl finds Fritz's house and goes upstairs to ask about the story. Fritz is in a bad state and says he wishes he never told a story in his life! She tells him that she knows that he didn't finish the story and asks what happens next. Fritz tells her that he dreamt the first part of the story and likes the risk of making stories up as he goes along...

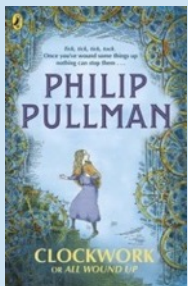
3

Karl returns to the tavern after putting Prince Florian in the clock. He is excited for the fortune and power that await him when he leaves town with Sir Ironsoul. Putzi, the cat, is at the inn when he gets back but Karl ignores him. Putzi rubs against Karl's arm and makes him jump. "Oh! What the devil - ?" He accidentally summons Sir Ironsoul! His mouth is too dry to whistle the tune... Gretl discovers Karl stark dead, with Sir Ironsoul's word in his throat.

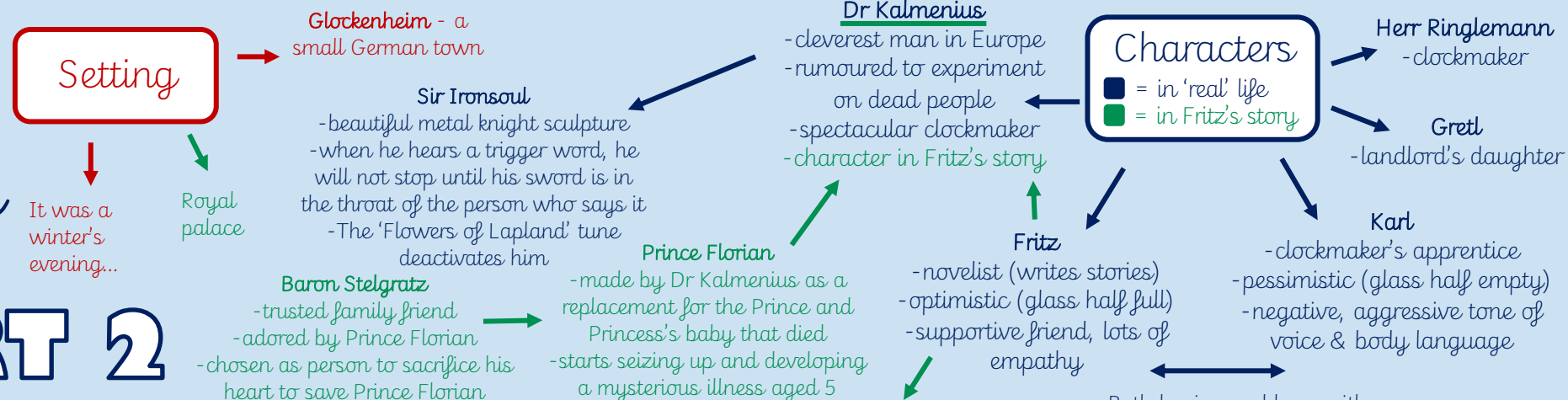
4

5

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



Resource 2 Clockwork working wall

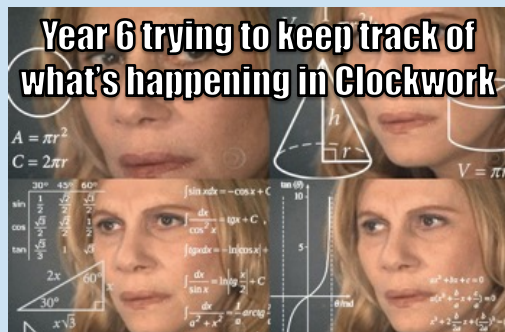


Plot updates

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 Baron Stelgratz, Prince Otto and Prince Florian set off into the woods. On their way to Dr Kalmenius, Baron Stelgratz is attacked and killed by wolves. Who will donate their heart to Prince Florian now? Prince Otto hopes to find a random person in the woods but there is no one around.

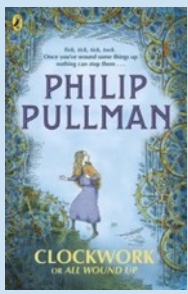
4 Prince Otto decides to donate his own heart to save his son (and the royal dynasty). He needs a way to get Prince Florian back to the palace, so Dr Kalmenius puts clockwork in his body to move his arm and let him whip the horses. It works! Prince Florian arrives at the palace safe and sound. Prince Otto is dead but still moving...like we heard in Fritz's story. Everyone in the town starts spreading rumours about what they think happened.

5 When he is 10 years old, Prince Florian's illness returns. The doctor says some time in the woods will help him, like last time. No one wants to take Prince Florian because of what happened to the last 2 people who went into the woods with him - they died! They offer a groom 10 silver pieces and he agrees. He leaves the child and plans to run away because he thinks he is a lost cause. Prince Florian wanders in to an inn. He can't speak, but is singing the Flowers of Lapland...

Queries

Theories

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



Resource 2 Clockwork working wall

Setting

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
- rumoured to experiment on dead people
- spectacular clockmaker
- character in Fritz's story

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

- 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

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

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).

1

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.

2

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.

3

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!

4

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!

5

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.

6

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.

7

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...

8

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

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stood Sir Ironsoul, with his helmet shining blankly and his sword slanting down. He was holding it like that because the point was in the throat of Karl the apprentice, who lay stark dead beside him.

Gretl nearly fainted, but she was a brave girl, and she had seen what lay in Karl's hand. It was the heavy iron key of the clock tower. With her mind in a whirl, she was still able to guess part of what had happened, if not all of it, and she realized what Karl must have done with the prince. She took the key from his hand and ran out of the inn and across the square to the great dark tower.

She turned the key in the lock and began to climb for the second time that night, but these stairs were higher and steeper than those in Fritz's lodging. And they were darker, too; and there were bats that flitted through the air; and the wind groaned across the mouths of the mighty bells, and made their ropes swing dismally.

But up and up she climbed, until she came to the lowest of the clock-chambers, where the

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oldest and simplest part of the mechanism was housed. In the darkness she felt her way around the huge iron cog-wheels, the thick ropes, the stiff metal figures of St Wolfgang and the devil, but she didn't find the prince; and so she climbed on. She ran her hands over the Archangel Michael, and in his armour he reminded her of Sir Ironsoul, and she took her hands away quickly. She felt up the side of a figure in a painted robe, and her fingers explored his face until she realized that it was the skull-face of Death, and she took her hands away from him, too.

The higher she climbed, the more noise the clock made: a ticking and a tocking, a clicking and a creaking, a whirring and a rumbling. She clambered over struts and levers and chains and cogwheels, and the further she went, the more she felt as if she, too, were becoming part of the clock; and all the time, she peered into the dark and felt around and listened with all her might.

Finally she clambered up through a trapdoor into the very topmost chamber, and found silver moonlight shining in on such a complexity of

85

mechanical parts that she could make no sense of them at all. At the same moment, she heard a little song. It was the prince calling to her.

Dazzled by the moonlight, Gretl blinked and rubbed her eyes. And there was Prince Florian, with the very last of his clockwork life, singing like a nightingale.

'Oh! You poor cold thing! He's fastened you so tightly I can't undo the bolts – oh, that was wicked! He was going to leave you here and run away, I'm sure. What's the matter with you, Prince Florian? I'm sure you'd tell me if you could. I think you're ill, that's what the trouble is. I think you need warming up. You're too cold, but that's hardly surprising, seeing what they've done with you. Never mind! If I can't get you down, I'll stay up here with you. I can wrap my cloak around us both, you'll see. We're better off up here in any case, if you ask me. The things that have been going on! You'd never believe it! I won't tell you now, because you wouldn't go to sleep. I'll tell you in the morning, I promise. Are you comfortable, Prince Florian? You don't have to speak if you

86

don't want to; you can just nod.'

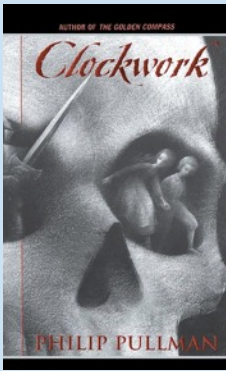
Prince Florian nodded, and Gretl tucked her cloak around them, and held the little boy in her arms as she went to sleep. The last thing she thought was: He *is* getting warmer, I'm sure; I can feel it!

The morning came. All through the town, visitors and townsfolk alike were getting dressed and eating their breakfasts hungrily, eager to see the new figure in the famous clock.

The snow-laden rooftops glittered and gleamed in the bright blue air, and the fragrance of roasting coffee and fresh-baked rolls drifted through the streets. And as time drew on towards ten o'clock, a strange rumour went round the town: the clockmaker's apprentice had been found dead! Murdered, what was more!

The police called Herr Ringelmann in to look at the body. The old clockmaker was shocked and dismayed to see his apprentice lying dead.

'The poor boy! It was his day of fame! Whatever can have happened? What a disaster! Who can have done this terrible thing?'



87

‘Do you recognize this figure, Herr Ringelmann?’ said the sergeant. ‘This clock-work knight?’

‘No, I’ve never seen it before in my life. Is that Karl’s blood on its sword?’

‘I’m afraid so. Do you think he could have made this figure?’

‘No, certainly not! The figure he made is up in the clock. That’s the tradition, you know, sergeant: he was going to fit his new figure in the clock on the last evening of his apprenticeship, just as I did in my time. Karl was a good boy; a little quiet and morose, perhaps, but a good apprentice; I’m sure he did what he was supposed to do, and we’ll see his new figure when it comes out in a minute or so. What a sad occasion, instead of a happy one! The new figure will have to be his memorial, poor boy.’

Nothing was right that morning. The innkeeper was desperately anxious, because Gretl was missing. What could have happened to her? The whole town was in a ferment. A crowd had gathered outside the inn, and they watched the policemen carrying out Karl’s body

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on a stretcher, covered by a piece of canvas. But they didn’t look that way for long, because it was nearly ten o’clock, and the time had come for the mechanism to reveal the new figure.

All eyes turned upwards. There was even more interest than usual, because of the strange circumstances of Karl’s death, and the square was so crowded that you couldn’t see the cobbles; people were crammed shoulder to shoulder, and every face was turned up like a flower to the sun.

The hour began to strike. The ancient clock wheezed and whirred as the mechanism came into play. The familiar figures came out first, and bowed or gestured or simply twirled on their toes; there was St Wolfgang, throwing the devil over his shoulder; there was the Archangel Michael with his glittering armour; there was the figure Herr Ringelmann had made for the end of *his* apprenticeship, many years ago: a little boy who popped out, thumbing his nose at Death, and twiddled his fingers before ducking out of sight again.

And then came the new figure.

89

But it wasn’t one figure, it was two: two sleeping children, a girl and a boy, so lifelike and beautiful that they didn’t seem to be made of clockwork at all.

A gasp of surprise went up from the crowd as the two little figures yawned and stretched and looked down, clutching each other for fear of the height, and yet laughing and chatting together in the bright morning light, and pointing out the sights around the square.

‘A masterpiece!’ cried someone, and another voice said, ‘The best figures ever made!’

And more voices joined in:

‘A work of genius!’

‘Incomparable!’

‘So lifelike – look at the way they’re waving at us!’

‘I’ve never seen anything like it!’

But Herr Ringelmann had his suspicions, and peered upwards, shading his eyes. And then the innkeeper, looking up with everyone else, saw who it was, and gave a cry of joy.

‘It’s my Gretl! She’s safe! Gretl, keep still! We’ll come up and bring you down safely!’

90



OUT OF THE NIGHT, AND OUT OF THE PAST. GRETl HAS MADE FLORIAN A PRESENT OF HER HEART, AND WHAT THEY'RE LOOKING AT IS THE FUTURE.

91

Don't move! We'll be there in a moment!

And very soon, the two children were safely on the ground. Two children, because the prince wasn't clockwork any more; he was a child as real as any other, and so he remained. 'The heart that is given must also be kept,' as Dr Kalmenius had been about to say to Prince Otto; but the prince didn't listen, did he? No-one could guess where the little boy had come from, and Florian couldn't remember. Presently everyone accepted that he had been lost, and that they had better look after him; so they did.

As for the metal knight with the bloodstained sword, Herr Ringelmann took it away to his workshop to examine closely. When they asked him about it later, he could only shake his head.

'I don't know how anyone expected that to work,' he said. 'It's full of miscellaneous bits and pieces, and they're not even connected up properly: broken springs, wheels with cogs missing, rusty gears – worthless rubbish, all of it! I do hope Karl didn't make it; I thought better of him than that. Well, my friends, it's just a

92



mystery, and I don't suppose we'll ever get to the bottom of it.'

Nor did they, because the one person who might have been able to tell them the truth was Fritz, and he had been so badly scared that he'd left town before the sun rose, and he never came back. He fled to another part of Germany, and he was going to stop writing fiction altogether, until he found he could earn lots of money by making up speeches for politicians. As for what happened to Dr Kalmenius, who can say? He was only a character in a story, after all.

And if Gretl knew more than anyone, she said nothing about it. She had lost her heart to the prince, and kept it too, which was how he came to be turned from clockwork into boy. So they both lived happily ever after; and that was how they all wound up.

The End





Resource 4 Maths working wall

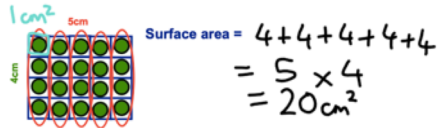
AREA, PERIMETER & VOLUME



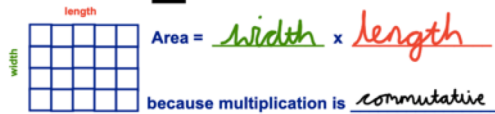
This working wall, just like the one in our classroom, will help you keep track of the big ideas in our learning journey.

How do you find the area of a shape?

Do you remember this science experiment in Year 5? We were investigating whether surface area affected the time it took a parachute to reach the ground!



WHAT'S THE BIG IDEA
Area = length x width
OR



Area of compound shapes



$$\text{Area of A} = 5 \times 4 = 20\text{cm}^2$$

$$\text{Area of B} = 2 \times 2 = 4\text{cm}^2$$

$$\text{Area of C} = 2 \times 2 = 4\text{cm}^2$$

$$\begin{aligned}\text{Total area} &= A + B + C \\ &= 20 + 4 + 4 \\ &= 28\text{cm}^2\end{aligned}$$

Click Me!

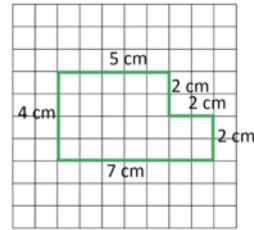
[Click here](#) to recap the lesson video!

Area and Perimeter

Perimeter

Distance around the outside of a shape!

Add all of the sides together...

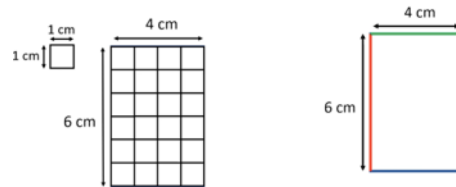


$$5 + 2 + 2 + 2 + 7 + 4 = 22\text{ cm}$$

Area



Surface covered by a shape (measured in square units)
Area = length x width



What is the area of the rectangle? The formula for the area of a rectangle

The area of the rectangle is 24 cm²

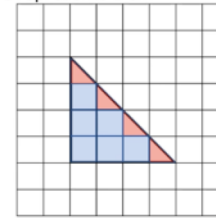
$$\begin{aligned}\text{Length} \times \text{Width} \\ 6\text{ cm} \times 4\text{ cm} &= 24\text{ cm}^2\end{aligned}$$

Click Me!

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

Area of a triangle

Each square represents 1 cm²

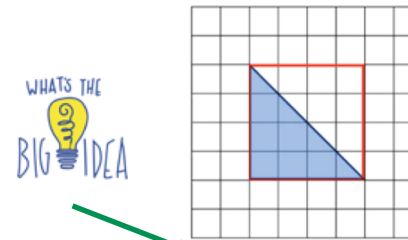


Count the squares

6 whole squares

4 half squares = 2 full squares

$$\frac{1}{2} + \frac{1}{2} = 1 \quad \text{so} \quad \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} = 2$$



Make a rectangle

Area of rectangle

$$4 \times 4 = 16\text{ squares}$$

Area of triangle

$$16 \div 2 = 8\text{ squares}$$

Click Me!

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

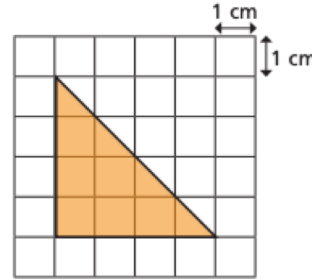
Area of a triangle (1)

- 1 Complete the sentences to describe the triangle.

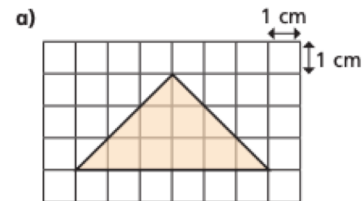
The triangle has full squares.

The triangle has half squares.

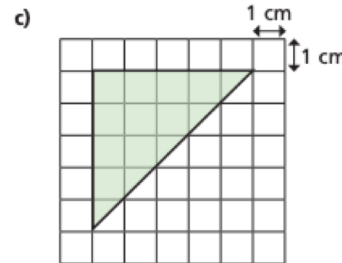
The area of the triangle is cm²



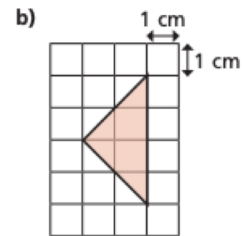
- 2 Count squares to work out the area of each triangle.



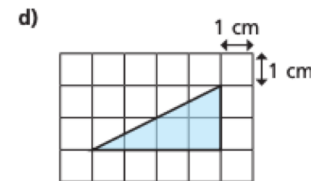
area = cm²



area = cm²

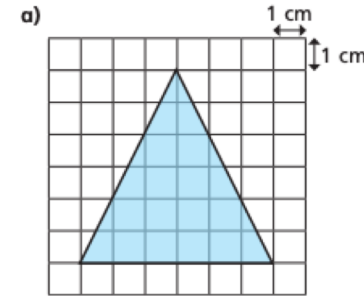


area = cm²

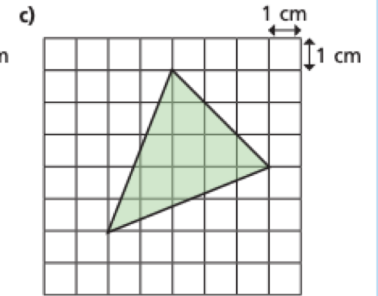


area = cm²

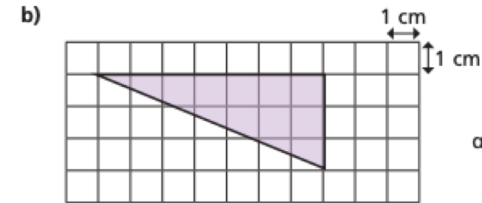
- 3 Count squares to estimate the area of each triangle.



area = cm²



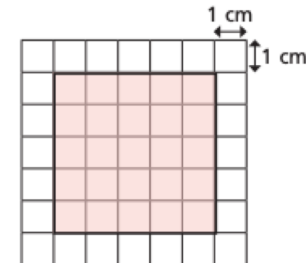
area = cm²



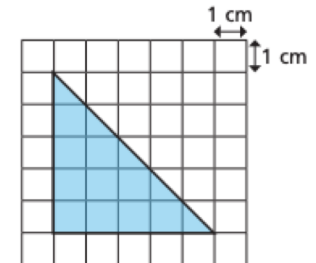
area = cm²

Why are your answers estimates?

- 4 a) Work out the areas of the shapes by counting squares.



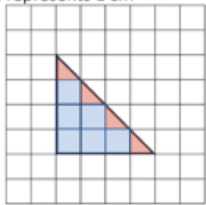
area = cm²



area = cm²

Area of a triangle

Each square represents 1 cm²

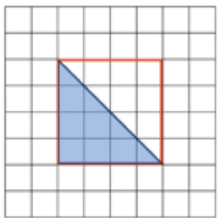


Count the squares

6 whole squares

4 half squares = 2 full squares

$$\frac{1}{2} + \frac{1}{2} = 1 \quad \text{so} \quad \frac{1}{2} + \frac{1}{2} + \frac{1}{2} + \frac{1}{2} = 2$$



Make a rectangle

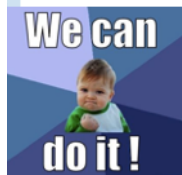
Area of rectangle

$$4 \times 4 = 16 \text{ squares}$$

Area of triangle

$$16 \div 2 = 8 \text{ squares}$$

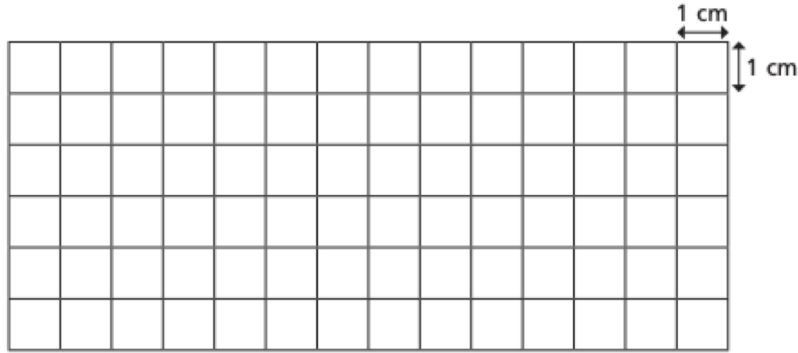
Remember to take lots of exercise and brain breaks away from your screen during the day!



Resource 6

Maths

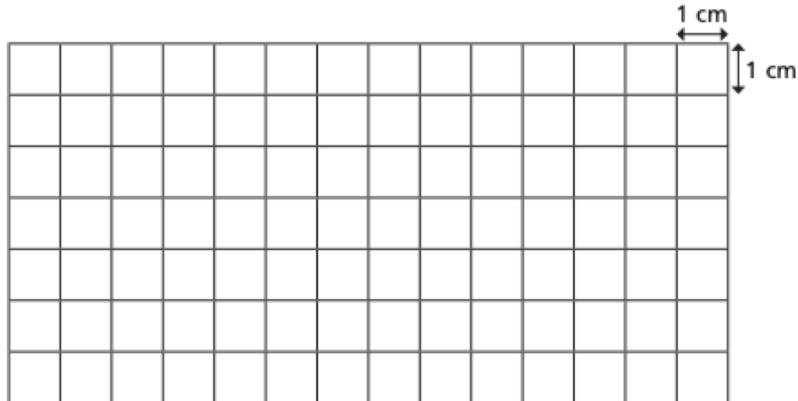
- b) What do you notice about your answers to part a)?
Explore this using other rectangles.



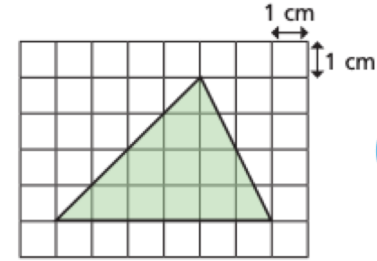
- c) Write your findings.

No need to print! You can just say what the sides of your shapes would be, or draw them without the squares!

- 5 Draw a triangle that has an area of approximately 15 cm^2



6



I estimate the size of the triangle to be about 16 cm^2



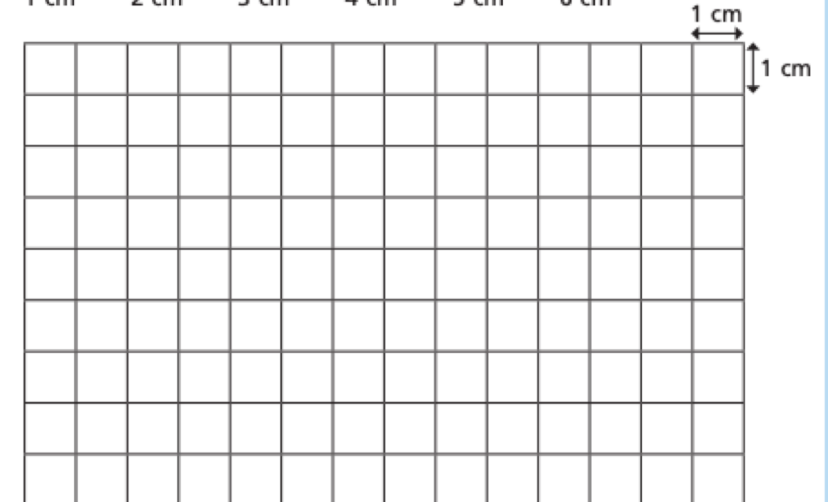
Do you agree with Eva's estimate? _____

Talk about it with a partner.

7

Draw triangles with these areas.

1 cm^2 2 cm^2 3 cm^2 4 cm^2 5 cm^2 6 cm^2



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

Have a go at learning these spellings.
You'll get a new set on Wednesdays!

Weekly

Spellings

accommodate

available

competition

determined

suggest

existence

identity

muscle

prejudice

rhyme

Weekly

achieve

aggressive

amateur

Word classes

1

Identify the word class of the underlined word:

- 1) The man strutted down the road.
- 2) She hid behind a tree.
- 3) She saw an owl in the wood.
- 4) A large cat sat in front of me.
- 5) The friendly dog wagged its tail.
- 6) Because it was cold, I brought a coat.
- 7) He had a bizarre dream last night.
- 8) She smiled widely at him.
- 9) The brown stool had been knocked over.
- 10) There were many people there.

daily



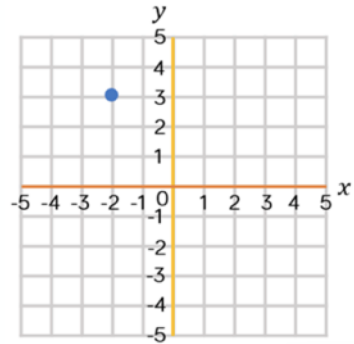
Flashback 4

daily

1) Write $\frac{3}{10}$ as a decimal.

2) What is $36 \div 10$?

3) What are the coordinates of the point?



4) Multiply 38 by 6

Click Me!

[Click this link](#) to see
Miss Swainson's
handwriting demo!



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