



# NEW VALLEY PRIMARY SCHOOL REMOTE LEARNING



Year 6  
Oak



Friday 5<sup>th</sup> February 2021

# Recommended Daily Timetable

**The date:**

**Friday 5th February 2021**

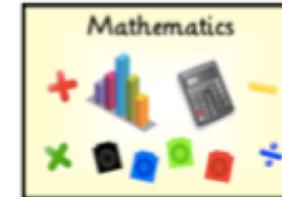
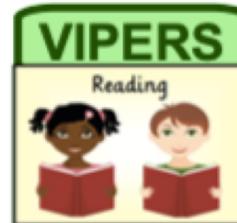
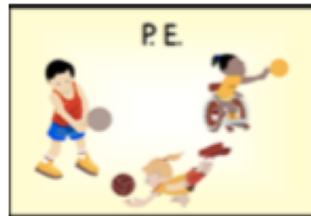
**5.2.21**



## Morning

**Group 1  
Teams call  
9-9.30am**

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



**Homework**

**9 - 9.30**

**or**

**9.30 - 10**

**10 - 10.30**

**10.30 - 11**

**11 - 11.15**

**11.15 - 11.45**

**11.45 - 12**

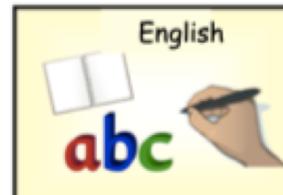
## Afternoon

**Click Me!**

[Click here for a PE session with Chipstead Valley's coach, Coach Oliver](#)

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

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



**12 - 12.30**

**or**

**12.30 - 1**

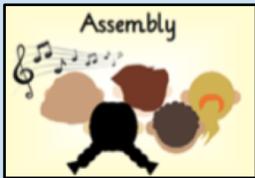
**1 - 2**

**2 - 2.30**

**2.30 - 3**

**3 pm**

Join our Zoom assembly at 8.45 to find out who is the Star of the Week!



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



**We can**



**do it!**

Send your work, and any questions, to [oak@newvalleyprimary.com](mailto:oak@newvalleyprimary.com)

### English

Today we are learning to: *Join ideas together using subordinating conjunctions.*

**Click Me!**

### Activity

Watch [this BBC Bitesize clip](#) about subordinating conjunctions and have a go at the quiz!

Main clause  
Subordinating conjunction (links both ideas)  
Subordinate clause (adds more detail to the main clause)

Karl was a kind, honest man **until** he was blinded by money and power.

Have a go at extending these sentences by adding another clause.

**If** Karl had Sir Ironsoul as his accomplice,

**When** Gretl said the word devil,

Dr Kalmenius should not be trusted **because**

Could you make some of your own sentences using these subordinating conjunctions?

Subordinating Conjunctions	
I	if
S	since
A	as
W	when
A	although
W	while
A	after
B	before
U	until
B	because

### 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 and Perimeter*

**top tip!**

**Click Me!**

Resource 5/6

[Lesson video link](#)

[Lesson activity sheet link](#)

[Today's answers](#)



We'll discuss this lesson in our morning call.



**Click Me!**

[Click this link](#) to have a go at the squiggle challenge...how creative can you be?

One way to look after your mind is to reflect on the present moment and set some goals. When your head feels cloudy, it is easy to forget the great things or feel lost! Having some goals is a brilliant way to decide how you might express yourself and be kind to your mind. For example, you might want to try mindfulness, or you might want to stop being so hard on yourself when things go wrong! *Have a go at finishing the sentences above...*

I want to continue to:

I want to start:

I want to stop:

I want to try:

I want to learn:

### VIPERS (Reading)

Read *pages 78-83*. Don't forget to add a plot update to your Clockwork working wall!

### Vocabulary

- Page 78: What does 'competence' mean?
- Page 80: What does 'covering' mean?

### Retrieve

- Page 79: Find and copy a simile that tells us how Karl was feeling.
- Page 81: Why does the narrator (in the little box with the illustration) think that Karl deserved this ending?

### TT Rock Stars

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

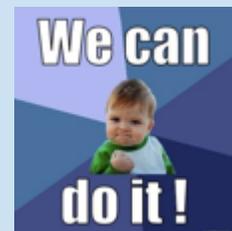
**Click Me!**



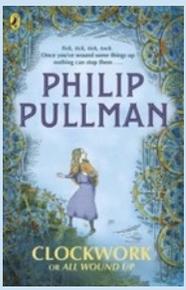
We'll go over this in our afternoon meeting tomorrow.

### '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

Setting

Glöckenheim - 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

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!

**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

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



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

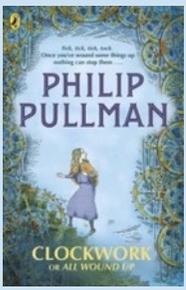
4

5

Queries

Theories

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



# Resource 2 Clockwork working wall

Setting

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

**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

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!

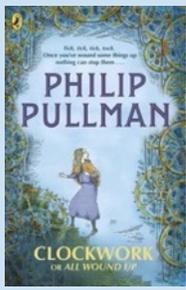
3 Baron Stelgratz, Prince Otto and Prince Florian set off into the woods. On their way to Dr Kalmenius, Baron Stelgratz is attacked and killed by wolves. Who will donate their heart to Prince Florian now? Prince Otto hopes to find a random person in the woods but there is no one around.

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...



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



# Resource 2 Clockwork working wall

Setting

It was a winter's evening...

Glockenheim - a small German town

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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!

78

So Gretl sighed and turned to leave.

At the same time as she was feeling her way down the dark stairs in Fritz's lodging-house, Karl was going back into the inn. He had taken little Florian up to the clock tower and fastened him to the frame, ignoring the prince's helpless struggles and his musical requests for mercy. When morning came, there he would be, Karl's masterpiece, on show as everyone expected. And Karl would receive everyone's congratulations, and his certificate of competence from Herr Ringelmann, and he'd be entered in the roll of master clockwork-makers; and then he could leave the town and make his way with Sir Ironsoul into the wide world, where power and fortune awaited him!

But when he opened the door of the inn to collect the little knight and hide him in his lodgings, he felt a shiver of fear. He stood on the threshold, afraid and unwilling to enter. And once again he took no notice of Putzi the cat, who jumped down from the windowsill when he saw the door open. There's no need to be superstitious about cats, but they are our fellow

79

creatures, and we shouldn't ignore them. It would have been polite of Karl to offer his knuckles for the old cat to rub his head against, but Karl was wound up too tightly for politeness. So he didn't see the cat stalking in past his legs.

Finally Karl gathered his courage and went in. How still the room was! And how sinister that little figure under the canvas! And that sword-point: how wickedly sharp! Sharp enough to have pierced the canvas already, and be glinting in the lamplight ...

Some coals settled in the stove, sending a little flare of red out on the floor, and making Karl jump nervously. The glow made him think of the fires of hell, and he sweated and mopped his brow.

Then the long-case clock in the corner began to whirr and wheeze, preparing to strike. Karl leapt as if he'd been discovered in the act of murder, and then leant weakly against the table, his heart beating like thunder.

'Oh, I can't bear this!' he said. 'I've done

TRouble will come of this, you mark my words. It always pays to be polite, even to dumb creatures.



80

nothing wrong, have I? Then why am I so nervous? What is there to be frightened of?

Hearing his words, old Putzi decided that here was someone who might give him a little milk, if he asked nicely; so the cat jumped up on the table beside him, and rubbed himself on Karl's arm.

Feeling this, Karl turned in shock to see a black cat who had appeared, as it seemed, out of nowhere. Naturally, this was too much for Karl. He leapt away from the table with an exclamation of horror.

'Oh! What the devil —?'

And then he clapped his hands to his mouth, as if trying to cram the word back inside. But it was too late. In the corner of the room, the metal figure had begun to move. The canvas fell to the floor, and Sir Ironsoul raised his sword even higher, and turned his helmet this way and that until he saw where Karl was cowering.

'No! No! Stop — wait — the tune — let me whistle the tune—'

But his lips were too dry. Frantic, he licked

HERE IT IS. HERE COMES THE TROUBLE.




81

them with a dry tongue. No use! He couldn't produce a sound. Nearer and nearer came the little knight with the sharp sword, and Karl stumbled away, trying to hum, to sing, to whistle, and all he could do was cry and stammer and sob, and the knight came closer and closer.

THERE'S NO WAY OF AVOIDING THIS. I'D SAVE THE WRETCH IF I COULD, BUT THE STORY IS WOUND UP, AND IT MUST ALL COME OUT. AND I'M AFRAID KARL DESERVED A BAD END. HE WAS LAZY AND BAD-TEMPERED, BUT WORSE THAN THAT, HE HAD A WICKED HEART. HE REALLY WOULD HAVE USED SIR IRNSOUL TO KILL PEOPLE AND MAKE MONEY IN THE WAY HE'D THOUGHT ABOUT. SO CLOSE YOUR EYES AND THINK OF SOMETHING ELSE FOR A MOMENT; KARL IS TICKING HIS FINAL TOCK.



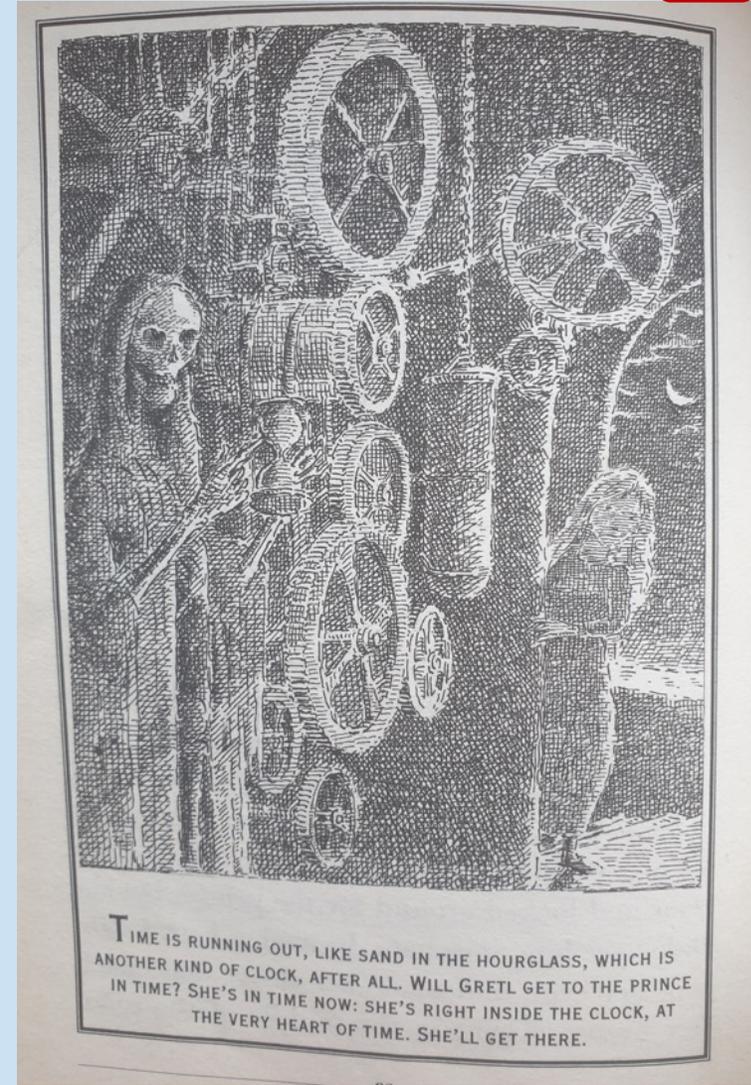
When Gretl got back to the inn she heard Putzi miaowing inside, and said as she opened the door, 'How did you get in, you silly cat?'

Putzi shot out into the square as Gretl came in, and wouldn't stop to be petted. She shut the door and looked around for the prince, but she didn't see him anywhere. Instead, a horrid sight met her eyes, and made her shiver and clutch her breast. There in the middle of the room

83

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.

82





# Resource 4 Maths working wall

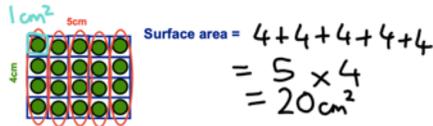
# AREA, PERIMETER & VOLUME



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!



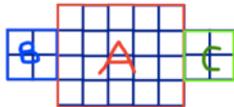
WHAT'S THE BIG IDEA  
Area = length x width

OR

Area = width x length

because multiplication is commutative

### Area of compound shapes



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

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

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

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

Click Me!

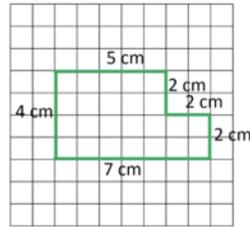
[Click here](#) to recap the lesson video!

## Area and Perimeter

### Perimeter

Distance around the outside of a shape!

Add all of the sides together...

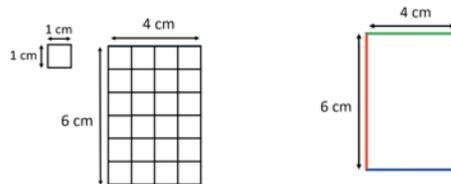


$5 + 2 + 2 + 2 + 7 + 4 = 22\text{ cm}$

WHAT'S THE BIG IDEA

### 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 cm<sup>2</sup>

Length x Width  
 $6\text{ cm} \times 4\text{ cm} = 24\text{ cm}^2$

Click Me!

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

Area and perimeter

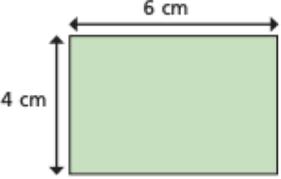
1 Use the words to complete the sentences.

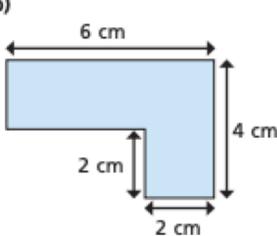
- perimeter    cm<sup>2</sup>    cm    m  
area    m<sup>2</sup>    inside    around

\_\_\_\_\_ is the amount of space \_\_\_\_\_ a two-dimensional shape. It can be measured in units such as \_\_\_\_\_ or \_\_\_\_\_

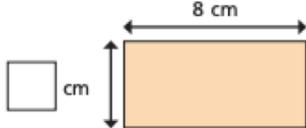
\_\_\_\_\_ is the distance \_\_\_\_\_ a two-dimensional shape. It can be measured in units such as \_\_\_\_\_ or \_\_\_\_\_

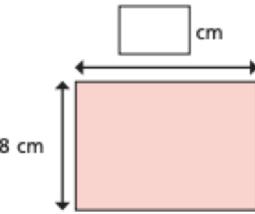
2 Work out the areas and perimeters of the shapes.

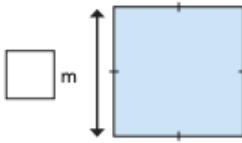
a)  perimeter =  cm  
area =  cm<sup>2</sup>

b)  perimeter =  cm  
area =  cm<sup>2</sup>

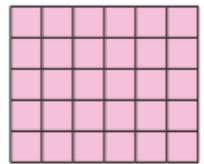
3 Work out the missing values.

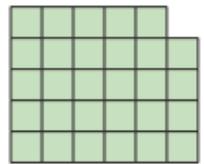
a)  area = 32 cm<sup>2</sup>  
perimeter =  cm

b)  area =  cm<sup>2</sup>  
perimeter = 40 cm

c)  area =  m<sup>2</sup>  
perimeter = 36 m

4 Work out the areas and perimeters of the shapes.

Shape A:  area =  cm<sup>2</sup>  
perimeter =  cm

Shape B:  area =  cm<sup>2</sup>  
perimeter =  cm

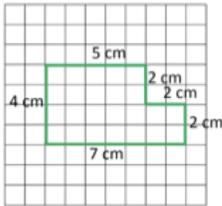
What do you notice?

Area and Perimeter

Perimeter

Distance around the outside of a shape!

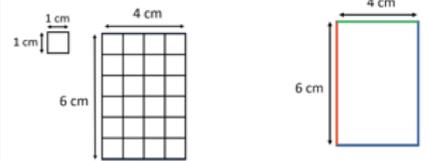
Add all of the sides together...



$5 + 2 + 2 + 2 + 7 + 4 = 22$  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  
Length x Width  
 $6 \text{ cm} \times 4 \text{ cm} = 24 \text{ cm}^2$   
The area of the rectangle is 24 cm<sup>2</sup>



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# Resource 6

## Maths



5



Tommy

If you start with a rectilinear shape, when you increase the area, the perimeter will increase.

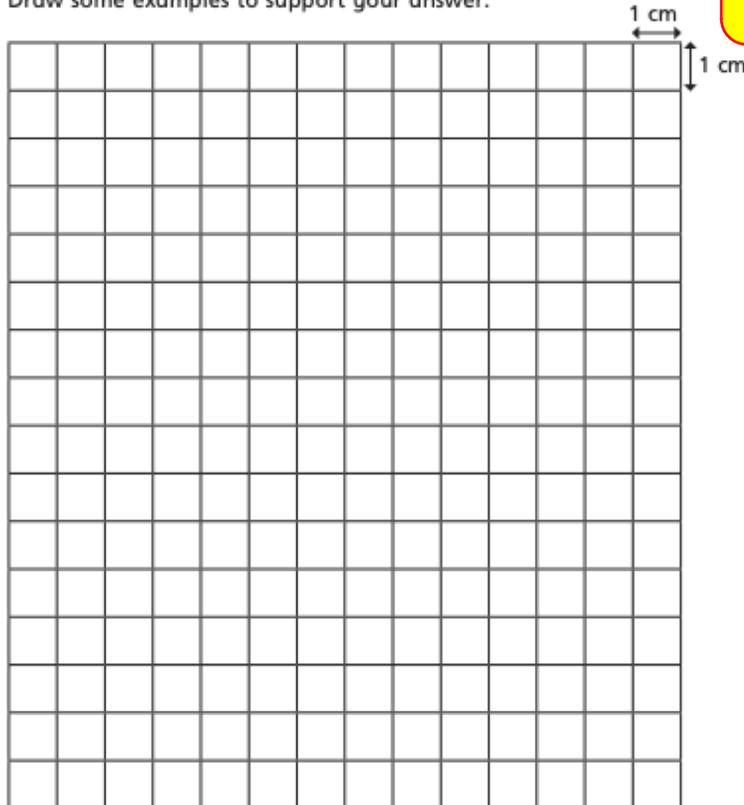
Amir



It depends on the shape.

Who do you agree with? \_\_\_\_\_

Draw some examples to support your answer.

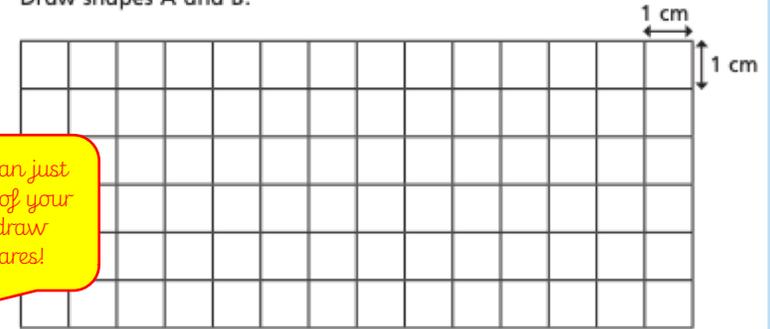


6

Two rectilinear shapes, A and B, each have an area of 12 squares.

- Shape A has the largest perimeter possible.
- Shape B has the smallest perimeter possible.

Draw shapes A and B.



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

What do you notice?

7

Mr Jones has 50 m of fencing.

He wants to make a rectilinear enclosure using all the fencing.

- a) Draw an example of a shape he could make. Give units on your diagram.



b) What is the greatest possible area of the enclosure?

c) What is the smallest possible area of the enclosure?

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 next Wednesday!

Weekly

Spellings
accommodate
available
competition
determined
suggest
existence
identity
muscle
prejudice
rhyme

Weekly

## Mixed skills

5

Add the missing speech punctuation.

- 1) This is delicious commented Amy
- 2) Can I have some more asked Lou
- 3) Callie said Here's some water

Decide whether they underlined word is an adjective or an adverb:

- 1) My flowery tray is looking battered.
- 2) This is very impressive work.
- 3) She walked quickly into the room.

Add a relative clause to each sentence:

- 1) My cushion fell off the sofa.
- 2) My sister bought a new pencil case.
- 3) The rabbit nibbled my jumper.



daily

achieve

aggressive

amateur

## Flashback 4

- 1) What is  $0.7 \times 13$ ?
- 2) 1 whole is equal to how many tenths?
- 3) Work out  $\frac{1}{5} \times 4$
- 4) Work out  $\pounds 12.30 + \pounds 1.82$

daily



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!