

Year 6 Homework W/C 30.3.20

Here is a breakdown of the home learning that is set for Year 6 for the week commencing 30.3.20 The paper homework will be attached on the website for you to download and access.

Core online programs for your child to use are: SAM learning, Read Theory, Times Table Rockstars and Spelling Shed.

English	Written task	Spellings	SPaG
	 <p>LI: Retell the story of Alma</p>	<p>Silent letters</p> <p>Words to practise:</p> <p>Knowledge</p> <p>Wrestle</p> <p>Knee</p> <p>Half</p> <p>Knife</p> <p>subtle</p> <p>knight</p> <p>lamb</p> <p>doubt</p> <p>island</p> <p>solemn</p> <p><u>Spelling Shed</u></p>	<p>-Complete worksheets on direct speech</p> <p>Reading</p> <p>Answer comprehension questions on the attached texts. There are two texts and two sets of questions.</p>
<p>Maths</p>	<p>LI: To revise algebra</p> <p>LI: To reason with algebra</p> <p>LI: To answer mixed reasoning questions</p> <p>*See attached worksheets and PowerPoint on the website</p>	<p>Practise general times tables on Times Table Rock Stars</p> <p>(Login is the same as SAM Learning)</p>	<p>SAM Learning- Maths homework set on a Friday and is due on the following Friday</p>

Science	<p>LI: To understand circuits</p> <p>Complete worksheet</p>	<p>-Create a circuit diagram representing your last science cells investigation. Label it and explain the process using scientific vocabulary</p> <p>Use http://www.cleo.net.uk/consultants_resources/science/circuitWorld/circuitworld.html</p> <p>To create online circuits</p>
Topic	<p>Draw a map of Little Venice canal. Label the key features.</p> <p>*Links on the website to support research</p>	<p>Recap of previous Autumn 2 topic: Extreme Earth</p> <p>Fill out your answers to the attached quiz on earthquakes.</p>
PE	<p>Use the link below to take part in the 5 minute fitness challenge every day</p> <p>https://www.youtube.com/watch?v=d3LPrhIOx-w&safe=active</p> <p>Complete the fitness challenges on the attached sheet - aim for every day!</p>	
Art	<p>Make a model of the Brutalist building that you designed</p>	
RE	<p>Recap the events leading up to Jesus Christ's crucifixion and resurrection</p> <p>1. Summarise the story in five key parts</p> <p>Ext: Describe the thoughts and feelings of one of Jesus's followers at each step of the story</p>	

Please find below a list of some of the websites offering free or trial periods of their resources. They have been broken down into different subjects but often websites do in fact cover the whole curriculum. None of these websites require payment to access so some of the obvious platforms haven't been included. Some do require you to log in or create a free account to access.

General

SAM Learning – the children know their login details <https://www.samlearning.com/>

<https://www.doorwayonline.org.uk/> - interactive activities covering a whole range of subjects and year groups

<https://www.topmarks.co.uk/> - huge treasure trove of activities that cover a whole range of subjects. Also holds links to games etc that are hosted by other sites.

<http://www.pobble365.com/> - a new picture is shared each day to provoke discussion, debate or writing ideas.

<https://www.twinkl.co.uk/> - a huge range of different subjects and focuses, arguably the best host of any resource you could need. Have offered a free account in the result of school closures.

<https://www.weareteachers.com/free-online-learning-resources/> - lots of specific links to different sites that offer free resources or learning platforms.

<https://www.bbc.co.uk/bitesize> - huge range of different resources and information broken down into Key Stages and year groups.

<https://tpet.co.uk/> - free online resource packs.

English

Spelling Shed – children have their login details – same as SAM Learning

Read Theory – Year 5 and 6 have their login details

<https://subscribe.firstnews.co.uk/free-downloadable-issue/> - free online digital download of a specialist children's newspaper.

<https://thereadingrealm.co.uk/wp-content/uploads/2020/03/The-Nature-and-Animal-Realm-1.pdf> - downloadable reading activity pack.

<https://www.oxfordowl.co.uk/for-home/find-a-book/library-page/> - free online books – brilliant if you can't get to the library

Maths

<https://mathsticks.com/my/> - online resources and print offs with specifically broken down key stage focuses.

<https://trockstars.com/> - our children have their own log in for this. Their log in is the same as SAM Learning

Science

<https://www.childrensuniversity.manchester.ac.uk/learning-activities/science/> - lots of science subject areas covered with resources specifically designed for primary age children. (Other subjects are also available on this site).

<https://groweatgift.com/2017/06/14/30-ways-to-go-wild-with-science/> - lots of different and fun science activities you can do in the house or garden

Foundation Subjects.

<https://www.gonoodle.com/> - lots of online videos that help keep children active inside and also teach mindfulness and meditation

<https://www.typingclub.com/> - online programme for teaching and developing touch typing

<https://groweatgift.com/2017/06/12/30-ways-to-get-creative-for-30-days-wild/> - different activity ideas that involve creating or engaging with different things in your house or garden

<https://www.youtube.com/watch?v=d3LPrhI0v-w&safe=active> - Joe Wicks has recorded various 5 minute fitness activities aimed at primary school children

<https://www.jumpstartjonny.co.uk/home> - some videos are free – dances, workouts, fitness challenges

English

LI: To retell the story of 'Alma'



<https://www.youtube.com/watch?v=irbFBgIOjhM&safe=active>

Watch the clip of 'Alma' and retell the story independently, focusing on suspense writing.

Include:

Varied sentences for effect (3 short sentences in a row; one word sentences)

Powerful vocab (make a word bank before writing)

Teacher model

It was a day of exploring for Alma. The narrow, cobbled streets were coated in a blanket of snow. Alma, curious and alone, wanted to roam the snowy streets, eager to make the most of the cold weather. The paths were sheets of ice and snow continued to fall to the frozen ground. Nobody else was in the streets – it was all Alma's! Turning around, she spotted a peculiar blackboard with children's names on it. Why were they there? What could it be for? Naturally, she put her own name there. Opposite the board was an old, deserted shop.

Reading

Chapter One of 'A Series of Unfortunate Events'

If you are interested in stories with happy endings, you would be better off reading some other book. In this book, not only is there no happy ending, there is no happy beginning and very few happy things in the middle. This is because not very many happy things happened in the lives of the three Baudelaire youngsters. Violet, Klaus, and Sunny Baudelaire were intelligent children, and they were charming, and resourceful, and had pleasant facial features, but they were extremely unlucky, and most everything that happened to them was rife with misfortune, misery, and despair. I'm sorry to tell you this, but that is how the story goes. Their misfortune began one day at Briny Beach. The three Baudelaire children lived with their parents in an enormous mansion at the heart of a dirty and busy city, and occasionally their parents gave them permission to take a rickety trolley—the word “rickety,” you probably know, here means “unsteady” or “likely to collapse”—alone to the seashore, where they would spend the day as a sort of vacation as long as they were home for dinner. This particular morning it was gray and cloudy, which didn't bother the Baudelaire youngsters one bit. When it was hot and sunny, Briny Beach was crowded with tourists and it was impossible to find a good place to lay one's blanket. On gray and cloudy days, the Baudelaire children had the beach to themselves to do what they liked. Violet Baudelaire, the eldest, liked to skip rocks. Like most fourteen-year-olds, she was right-handed, so the rocks skipped farther across the murky water when Violet used her right hand than when she used her left. As she skipped rocks, she was looking out at the horizon and thinking about an invention she wanted to build. Anyone who knew Violet well could tell she was thinking hard, because her long hair was tied up in a ribbon to keep it out of her eyes. Violet had a real knack for inventing and building strange devices, so her brain was often filled with images of pulleys, levers, and gears, and she never wanted to be distracted by something as trivial as her hair. This morning she was thinking about how to construct a device that could retrieve a rock after you had skipped it into the ocean. Klaus Baudelaire, the middle child, and the only boy, liked to examine creatures in tide-pools. Klaus was a little older than twelve and wore glasses, which made him look intelligent. He was intelligent. The Baudelaire parents had an enormous library in their mansion, a room filled with thousands of books on nearly every subject. Being only twelve, Klaus of course had not read all of the books in the Baudelaire library, but he had read a great many of them and had retained a lot of the information from his readings. He knew how to tell an alligator from a crocodile. He knew who killed Julius Caesar. And he knew much about the tiny, slimy animals found at Briny Beach, which he was examining now. Sunny Baudelaire, the youngest, liked to bite things. She was an infant, and very small for her age, scarcely larger than a boot. What she lacked in size, however, she made up for with the size and sharpness of her four teeth. Sunny was at an age where one mostly speaks in a series of unintelligible shrieks. Except when she used the few actual words in her vocabulary, like “bottle,” “mommy,” and “bite,” most people had trouble understanding what it was that Sunny was saying. For instance, this morning she was saying “Gack!” over and over, which probably meant, “Look at that mysterious figure emerging from the fog!” Sure enough, in the distance along the misty shore of Briny Beach there could be seen a tall figure striding toward the Baudelaire children. Sunny had already been staring and shrieking at the figure for some time when Klaus looked up from the spiny crab he was examining, and saw it too. He reached over and touched Violet's arm, bringing her out of her inventing thoughts.

L.I. SATS Revision Questions - A Series of Unfortunate Events

Some of these questions were written by Miss W's GDS target group – well done team!

1. How old was the eldest of the Baudelaire children? **(1 mark)** *A retrieval question – go fetch in the text.

2. 'Like most fourteen-year-olds, she was right handed.'

Is this true? Why do you think the author chose to write this in the text? **(2 marks)**

**When asked why the author did something, you should always refer to the impact on the reader.*

3. Read the section of text from

'This particular morning it was gray and cloudy' to..... 'to do what they liked'.

What does this section of text suggest about the Baudelaire children? Explain using evidence from the text **(3 marks)** *PEE

3. Circle the correct option to complete each sentence **(3 marks)** * Remember to 'Decide and then Check' (in the text) and to systematically rule out all the other options carefully using the text.

a. The Baudelaire children were:

very lucky

unfortunate

always happy & joyful

poor

b. They lived:

in a mansion

on the beach

in an orphanage

in a cottage

c. Violet Baudelaire is:

vain

sullen

inventive

intelligent

d. Klaus Baudelaire:

is good at maths

knows a lot of facts

is lonely

likes football

e. Sunny Baudelaire:

is very wise

is 5 years old

has limited vocabulary

is always happy

f. The children travelled to the beach by:

foot

cart

car

boat

4. What is the 48th word in the text!!!! (1 mark) _____

5. 'Occasionally their parents gave them permission to take a rickety trolley – the words "rickety," you probably know, here means "unsteady," or "likely to collapse," – alone to the seashore, where they would spend the day.' What impression does this give you of the children's parents? (2 marks) * Impression means what does it make you think about their parents and how they care for their children.

6. Find and copy a word which means remember or held onto from the section of text about Klaus (1 mark) * Scan and Skim to find Klaus then use solve it, switch it search it to work out which word may mean held onto or remembered.

7. Tick the phrase closest in meaning to 'infant' in the sentence 'She was an infant'. (1 mark) * Use evidence from the text to help you work out what is most likely in THIS example.

- An infant at primary school
- A toddler or older baby
- A teenager

8. What was Klaus doing when he noticed the figure? (1 mark) * Retrieval question - go fetch.

9. What does the word *striding* suggest about how the mysterious figure was walking towards the Baudelaire children? (1 mark) * Think about the meaning of the word - if you stride towards someone, why might you be walking in this way?

10. When and why does Violet tie up her hair (2 marks). * Scan and skim then explain.

Reading Text 2

GOING UP TO THE ALM-UNCLE – An extract from 'Heidi'

The little old town of Mayenfeld is charmingly situated. From it a footpath leads through green, well-wooded stretches to the foot of the heights which look down imposingly upon the valley. Where the footpath begins to go steeply and abruptly up the Alps, the heath, with its short grass and pungent herbage, at once sends out its soft perfume to meet the wayfarer.

One bright sunny morning in June, a tall, vigorous maiden of the mountain region climbed up the narrow path, leading a little girl by the hand. The youngster's cheeks were in such a glow that it showed even through her sun-browned skin. Small wonder though! For in spite of the heat, the little one, who was scarcely five years old, was bundled up as if she had to brave a bitter frost. Her shape was difficult to distinguish, for she wore two dresses, if not three, and around her shoulders a large red cotton shawl. With her feet encased in heavy hob-nailed boots, this hot and shapeless little person toiled up the mountain.

The pair had been climbing for about an hour when they reached a hamlet half-way up the great mountain named the Alm. This hamlet was called "Im Dörfli" or "The Little Village." It was the elder girl's home town, and therefore she was greeted from nearly every house; people called to her from windows and doors, and very often from the road. But, answering questions and calls as she went by, the girl did not loiter on her way and only stood still when she reached the end of the hamlet. There a few cottages lay scattered about, from the furthest of which a voice called out to her through an open door: "Deta, please wait one moment! I am coming with you, if you are going further up."

When the girl stood still to wait, the child instantly let go her hand and promptly sat down on the ground.

"Are you tired, Heidi?" Deta asked the child.

"No, but hot," she replied.

"We shall be up in an hour, if you take big steps and climb with all your little might!" Thus the elder girl tried to encourage her small companion.

A stout, pleasant-looking woman stepped out of the house and joined the two. The child had risen and wandered behind the old acquaintances, who immediately started gossiping about their friends in the neighbourhood and the people of the hamlet generally.

"Where are you taking the child, Deta?" asked the newcomer. "Is she the child your sister left?"

"Yes," Deta assured her; "I am taking her up to the Alm-Uncle and there I want her to remain."

"You can't really mean to take her there Deta. You must have lost your senses, to go to him. I am sure the old man will show you the door and won't even listen to what you say."

"Why not? As he's her grandfather, it is high time he should do something for the child. I have taken care of her until this summer and now a good place has been offered to me. The child shall not hinder me from accepting it, I tell you that!"

"It would not be so hard, if he were like other mortals. But you know him yourself. How could he *look* after a child, especially such a little one? She'll never get along with him, I am sure of that!—But tell me of your prospects."

"I am going to a splendid house in Frankfurt. Last summer some people went off to the baths and I took care of their rooms. As they got to like me, they wanted to take me along, but I could not leave. They have come back now and have persuaded me to go with them."

"I am glad I am not the child!" exclaimed Barbara with a shudder. "Nobody knows anything about the old man's life up there. He doesn't speak to a living soul, and from one year's end to the other he keeps away from church. People get out of his way when he appears once in a twelve-month down here among us. We all fear him and he is really just like a heathen or an old Indian, with those thick grey eyebrows and that huge uncanny beard. When he wanders along the road with his twisted stick we are all afraid to meet him alone."

"That is not my fault," said Deta stubbornly. "He won't do her any harm; and if he should, he is responsible, not I."

1. Give two clues from the text that this story is not set in England (**1 mark**)

2. Find and copy a phrase which shows the child was dressed for a cold day even though it was hot (**1 mark**)

3. What does 'Im Dörfli' mean? (**1 marks**) **Scan and skim.*

3. '*When the girl stood still to wait, the child instantly let go her hand and promptly sat down on the ground.*' What does this suggest about how the child feels at this point in the story? (**2 marks**) ** suggest means what does it make you think.*

5. What impression are we given of the Alm-Uncle from the way Barbara speaks about him? (**3 marks**) ** Suggest what he is like and use evidence from more than one place to back this up.*

6. '*I have taken care of her until this summer and now a good place has been offered to me.*' What does the phrase 'a good place has been offered to me' mean? (**2 marks**)

7. What do you think of Deta for taking the child to live the uncle? Explain using evidence from the text (**3 marks**) ** Think about why Deta is taking the child to live with the grandfather. Consider whether you think this is fair and explain why using evidence.*

8. Who is the Alm Uncle to the child? (**1 mark**)

9. Why has Deta been looking after the child until now? (**1 mark**)

Spot the Missing Speech Marks

Using Inverted Commas to Show Direct Speech

Look at the sentences below. Each one is missing inverted commas. Insert inverted commas around the direct speech in each sentence below.

1. What's for dinner dad? Jacinda asked her dad.
2. The witch looked at her sisters and asked, When will we three meet again?
3. The mouse looked at the fox and quivered, Please don't eat me.
4. I'm stuck! declared Sam as he held up his hand.
Can you help me please?
5. Goal! shouted the boy as the ball went to the back of the net.
6. John, can you hold this? asked Joanne.
7. Off with her head! shouted the Queen of Hearts.
8. The policeman asked, Can I see your licence please?

- 1) I'm going out mum said the young boy.
- 2) Debra asked do I need to order new art supplies
- 3) you can't do that shouted the owner of the building.
- 4) I'm so hungry moaned Paul I could eat a horse.
- 5) it's almost time to go home said Ben.
- 6) what do you think you're doing screamed the woman.
- 7) Dad shouted up time for bed kids. Can't we stay up for another 20 minutes they asked.

1

Rewrite each sentence out so that the speech is punctuated correctly.

- 1) I'm so hungry moaned Paul I could eat a horse.
- 2) it's almost time to go home said Ben.
- 3) what do you think you're doing screamed the woman.
- 4) Dad shouted up time for bed kids. Can't we stay up for another 20 minutes they asked.
- 5) when is our dentist appointment asked Frankie. Not for another month yet replied Aaron.

Algebra

1. Use simple formulae.

a) Calculate the value of the letter in each equation:

$3a = 12$	$a =$
$30 = 5b$	$b =$
$8c = 72$	$c =$
$48 = 12d$	$d =$

b) Calculate the value of the letter in each equation:

$20 = 4h + 4$	$h =$
$3i + 5 = 11$	$i =$
$14 = 6j - 4$	$j =$
$2k - 5 = 5$	$k =$

c) In these equations, a is worth 7. Calculate the value of each shape:

$\triangle = 3a$	$\triangle =$
$4 + a = \text{pentagon}$	$\text{pentagon} =$
$\diamond = 10 - a$	$\diamond =$
$a + a = \square$	$\square =$

.....

2. Generate and describe linear number sequences.

a) Fill in the first two terms in this sequence:

..... 55 63 71

b) 8 is the first term in this sequence. What is the 7th term?

8 11 14 17

- b) Emily and Becky are sisters. This formula can be used to calculate Becky's age, compared to Emily's age:

$$e + 4 = b$$

e stands for Emily's age.

b stands for Becky's age.

When Emily is 11, how old will Becky be?

When Becky is 17, how old will Emily be?

- c) A gardener calculates the perimeter of a garden to work out how much fencing is needed. She uses this formula:

$$l + w + l + w$$

l stands for the length of the garden.

w stands for the width of the garden.

Simplify this formula:

.....

- d) A builder needs to calculate the area of a bathroom floor, to work out how much it will cost to tile it. Tiles cost £5 per square metre, plus £10 for delivery. He uses this formula:

$$5a + 10$$

a stands for area of the floor (in square metres).

Calculate the **cost** of tiling a floor, where the area is 10 square metres:

.....

Calculate the **area** of a floor, where the cost of tiles is £110:

.....

- e) A painter and decorator charges £8 for every hour that she works, and she is currently offering a discount of £5 on each job.

Write the formula she could use to calculate how much money to charge her customers.

Use **h** to represent the number of hours.

4. Find pairs of numbers that satisfy an equation with two unknowns.

a) Find 3 different possible pairs of values for **a** and **b** in this equation:

$$ab = 18$$

(**a** and **b** are whole numbers.)

Value of a	Value of b

b) Find 3 different possible pairs of values for **a** and **b** in this equation:

$$19 = ab + 7$$

(**a** and **b** are whole numbers.)

Value of a	Value of b

c) Calculate the value of each letter:

$ef = 21$ $e + f = 10$ $e < f$	$e = \dots\dots\dots$ $f = \dots\dots\dots$
$g - h = 3$ $g + h = 9$	$g = \dots\dots\dots$ $h = \dots\dots\dots$
$i \div j = 4$ $ij = 16$ $i > j$	$i = \dots\dots\dots$ $j = \dots\dots\dots$

5. Enumerate possibilities of combinations of two variables.

a) In this equation, **a** and **b** are different whole numbers which are both less than 11.

$$2a = b$$

Write the calculations that would show all the possible values of **a** and **b**:

b) Use this equation to fill in the missing information in the table below:

$$7a + 4 = b$$

Value of a	Value of b
2	
	11
4	
	25

In this sequence, the rule to get the next number is

Multiply by 2, and then add 3

Write the missing numbers.

	25	53	
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A theme park sells tickets online.

Each ticket costs £24

There is a £3 charge for buying tickets.

Which of these shows how to calculate the total cost, in pounds?

Tick **one**.

number of tickets \times 3 + 24

number of tickets \times 24 + 3

number of tickets + 3 \times 24

number of tickets + 24 \times 3

Dev says,

I had £10

I gave some money away.



Which expression shows how much money Dev has left?

a is the amount of money, in pounds, that Dev gave away.

Tick **one**.

$10 + a$

$10 \div a$

$a - 10$

$10 - a$

$a \times 10$

$$x + 2y = 20$$

x and y are whole numbers **less than 10**

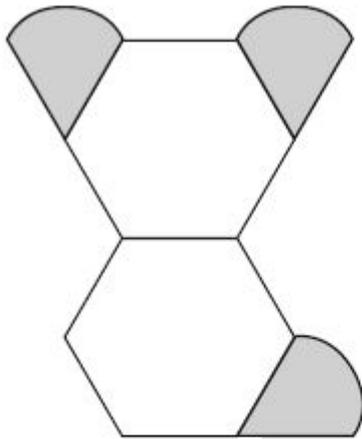
What could x and y be?

$x =$

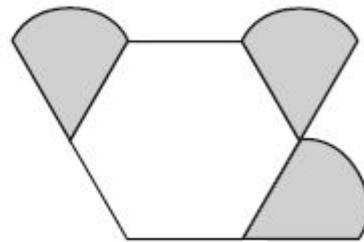
$y =$

Amina is making designs with two different shapes.

She gives each shape a value.

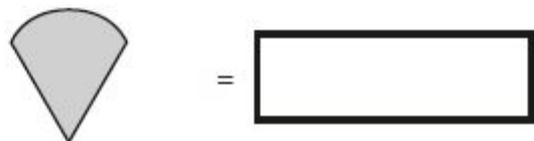
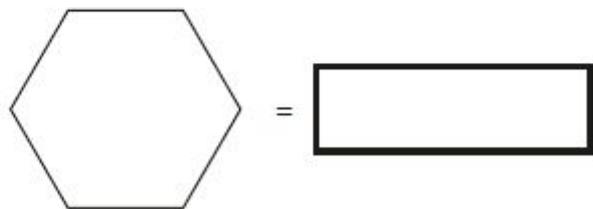


Total value is 147



Total value is 111

Calculate the value of each shape.



Round **84,516**

to the nearest 10

to the nearest 100

to the nearest 1,000

Dev thinks of a **whole** number.

He multiplies it by 4

He rounds his answer to the nearest 10

The result is 50

Write **all** the possible numbers that Dev could have started with.

$$33,630 = 354 \times 95$$

Use this multiplication to complete the calculations below.

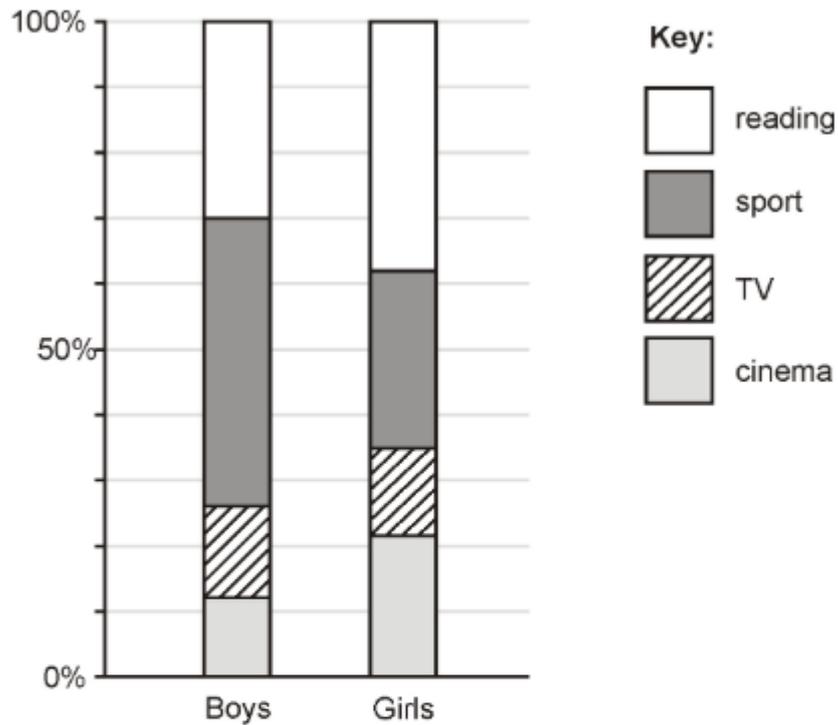
$354 \times 9.5 =$

$3,540 \times 95 =$

$3,363 \div 95 =$

Alfie asks some boys and girls about their favourite hobby.

He shows the results on a graph.



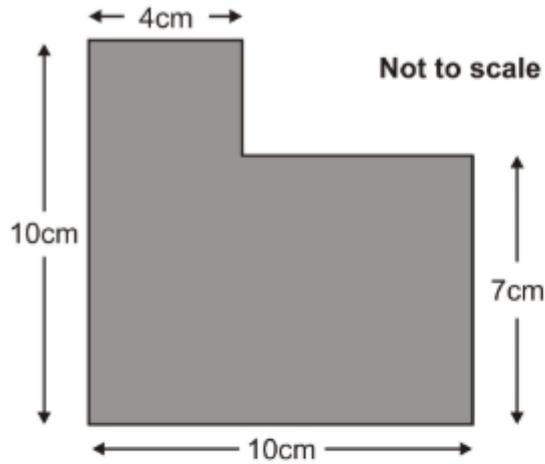
The graph shows that **44%** of boys chose sport.

Estimate the percentage of **girls** who chose sport.

120 boys chose reading.

Estimate the **number** of boys who chose **cinema**.

What is the **area** of this shape?



Show your method

cm²

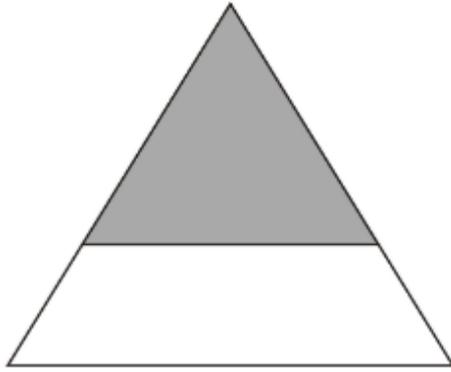
The area of a rectangle is 16 cm².

One of the sides is 2 cm long

What is the perimeter of the rectangle?

cm

The diagram shows a shaded triangle inside a larger triangle.



The area of the **shaded** triangle is 52 cm^2 .

The area of the shaded triangle is $\frac{4}{9}$ of the area of the larger triangle.

Calculate the **area** of the **larger triangle**.

Show your method

cm

Write these lengths in order, starting with the shortest.

$\frac{1}{2} \text{ m}$

3.5 cm

20 cm

25 mm

shortest



A bottle holds **1 litre** of lemonade.

Rachel fills **5** glasses with lemonade.

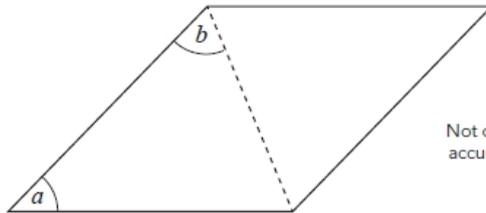
She puts **150 millilitres** in each glass.

How much lemonade is left in the bottle?

Show your method

	<div style="border: 1px solid black; display: inline-block; width: 100px; height: 20px; margin-top: 20px;">ml</div>
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The dotted line is a diagonal of this **rhombus**.

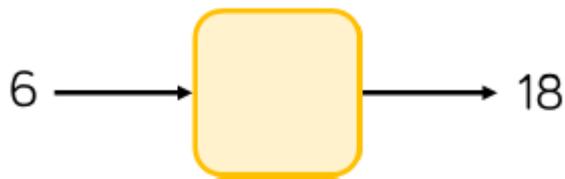


Not drawn accurately

Show your method

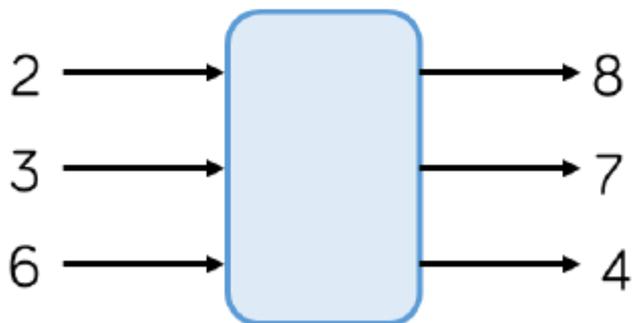
	If angle $a = 80^\circ$, what is angle b ?
	<div style="border: 1px solid black; display: inline-block; width: 100px; height: 20px; margin-top: 20px;">°</div>
	If angle $b = 80^\circ$, what is angle a ?
	<div style="border: 1px solid black; display: inline-block; width: 100px; height: 20px; margin-top: 20px;">°</div>

Eva has a one-step function machine.
She puts in the number 6 and the
number 18 comes out.



What could the function be?
How many different answers can you
find?

Amir puts some numbers into a function
machine.



What is the output from the function
when the input is 16?

Jack and Dora are using the following
formula to work out what they should
charge for four hours of cleaning.

$$\text{Cost in pounds} = 20 + 10 \times \text{number of hours}$$

Jack thinks they should charge £60
Dora thinks they should charge £120

Who do you agree with?
Why?

Four children in a class were asked to find 20% of an amount, this is what they did:



Whitney

I divided by 5 because 20% is the same as one fifth

I found one percent by dividing by 100, then I multiplied my answer by 20



Amir



Alex

I did 10% add 10%

I found ten percent by dividing by 10, then I multiplied my answer by 2



Jack

Who do you think has the most efficient method? Explain why.

Who do you think will end up getting the answer incorrect?

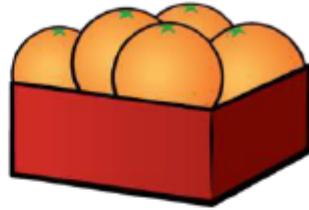
A golf club has 200 members.

58% of the members are male.

50% of the female members are children.

- How many male members are in the golf club?
- How many female children are in the golf club?

There are 49 pears and 56 oranges.



They need to be put into baskets of pears and baskets of oranges with an equal number of fruit in each basket.

Amir says,



There will be 8 pieces of fruit in each basket.

Jack says,

There will be 7 pieces of fruit in each basket.



Who is correct? Explain how you know.

Annie is double her sister's age.

They are both older than 20 but younger than 50

Their ages are both multiples of 7

What are their ages?

A train starts running from Leeds to York at 7am.

The last train leaves at midnight.

Platform 1 has a train leaving from it every 12 minutes.

Platform 2 has one leaving from it every 5 minutes.

How many times in the day would there be a train leaving from both platforms at the same time?

Place 5 odd and 5 even numbers in the table.

	Not Cubed	Cubed
Over 100		
100 or less		

Jack says,



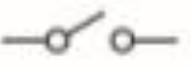
The smallest number that is both a square number and a cube number is 64

Do you agree with Jack? Explain why you agree or disagree.

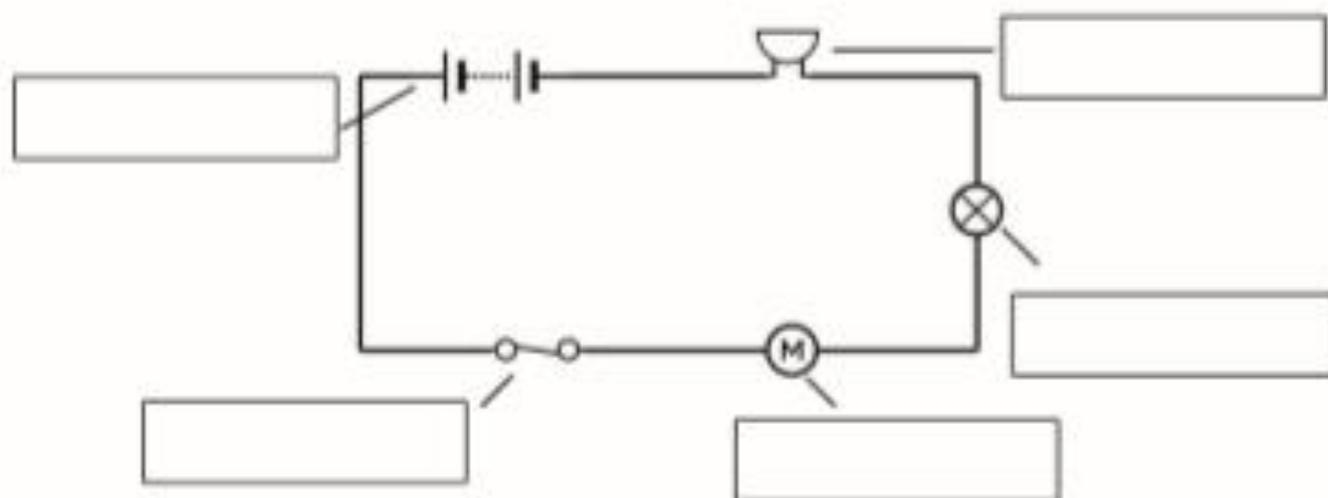
Science Task 1

Electric Circuits

Electricity flows in a circuit from the negative pole of the battery to its positive pole. The flow of electricity creates an electric current. There is a symbol to represent each component in an electrical circuit.

 battery	 closed switch	 open switch	 cell	 voltmeter
 buzzer	 lamp	 lamp	 motor	 wire

Label the circuit below.



Complete the sentences.

The electric current leaves the _____ and passes through the _____.

It then travels through the _____, next through the _____ and finally through the _____ before returning to the battery.

Science (continued) Task 2

Create a circuit diagram (using a pencil) representing your last science cells investigation.

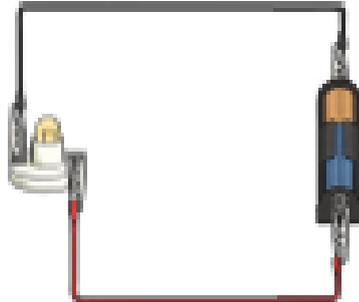
Label it and explain the process using scientific vocabulary.

Task 3 - Go on the website below to create circuits online

Online Circuit Diagrams

Children create online circuit diagrams using the following website.

http://www.cleo.net.uk/consultants_resources/science/circuitWorld/circuitworld.html



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Topic

Draw a map of Little Venice canal. Label the key features.

Links to support:

<https://canalrivertrust.org.uk/places-to-visit/little-venice>

Download the free local map from this website to help you!

<https://canalrivertrust.org.uk/enjoy-the-waterways/walking/walking-routes/little-venice-to-camden-walk>

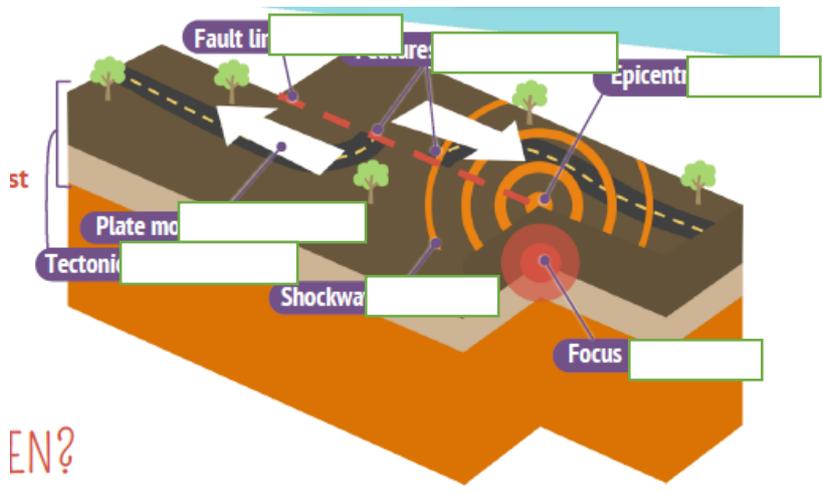


Make sure you include all of the important things we observed on our walk!

Topic Continued

Recap of Autumn 2: Extreme Earth Quiz!

1. What are plate tectonics?
2. What is the epicentre of an earthquake?
3. How do you measure seismic activity?
4. What is a tsunami and what causes it to happen?
5. Name three vulnerable areas that are threatened by earthquakes.
6. What three things can you do to protect yourself in the event of an earthquake?
7. When did the two earthquakes occur in San Francisco?
8. Explain the impact of the two San Francisco earthquakes.
9. What is a fault line?
10. Label:



EN?

PE – Complete these fitness challenges!

Exercises	First Attempt	Second Attempt	Third Attempt
Plank Did you do the plank for the full minute? Yes or no?			
Burpees How many in 1 minute?			
Sit Ups How many in 1 minute?			
Shuttle Runs How many in 1 minute?			
Squats How many in 1 minute?			
Star Jumps How many in 1 minute?			
Lunges How many in 1 minute?			
Press Ups How many in 1 minute?			
Wall Throws How many in 1 minute?			
Side Reaches How many in 1 minute?			
Tricep Dips How many in 1 minute?			

Art

Make a model of the building that you designed!

Examples:



Trellick Tower



The Barbican



Search brutalist buildings for ideas!

RE

Think back to the story of Jesus' crucifixion and resurrection.

1. Summarise the story in five key parts.

EXT:

Describe the thoughts and feelings of one of Jesus' followers at each step of the story.

