

Thursday 27th February Maths Booster

1. What number is 100 less than 10,027?	
2. What are the two missing numbers? ____, 25, 50, 75, ____	
3. Jack chose a number, doubled it, then added 17. His answer was 47. What did he start with?	
4. Write one fifth as a decimal.	
5. Write the missing number: $1.8 \times \underline{\hspace{2cm}} = 1800$	
6. Butter costs 37p for 100g. How much would 400g cost?	
7. Complete this with the correct inequality: $0.5 \underline{\hspace{2cm}} 4/10$	
8. Round 35,576 to the nearest 1000.	
9. Write a square number between 10 and 30.	
10. Write the missing number: $2 \times \underline{\hspace{1cm}} = (2 \times 2) + 5$	

$$a_0 = 1 [a_0]$$

10 min SATS Buster

$\arcsin(z)$

$$x_{n+1} =$$

Thursday 27th February

TBAT: spell words with 'ough' letter string.

Unjumble these 'ough' words.

ehnguo

tthhogu

Sort these words according to the sound the 'ough' makes.

'or'	'uff'

wrought
tough
rough
enough
thought
sought

Challenge – Find the definition of wrought in a dictionary.

Use it in a sentence that contains an expanded noun phrase and a subordinate clause.

Thursday 27th February

TBAT: spell words with 'ough' letter string.

1. Past tense of bring.
2. Showing careful consideration or attention.
3. Past tense of fight.
4. Shortage of water.
5. An idea.
6. A farm tool for loosening or turning the soil before sowing seed or planting.

Challenge – Write a sentence using two 'ough' words that sound different. It must also contain a modal verb and a relative clause.

27.02.25

TBAT: interpret and construct pie charts.

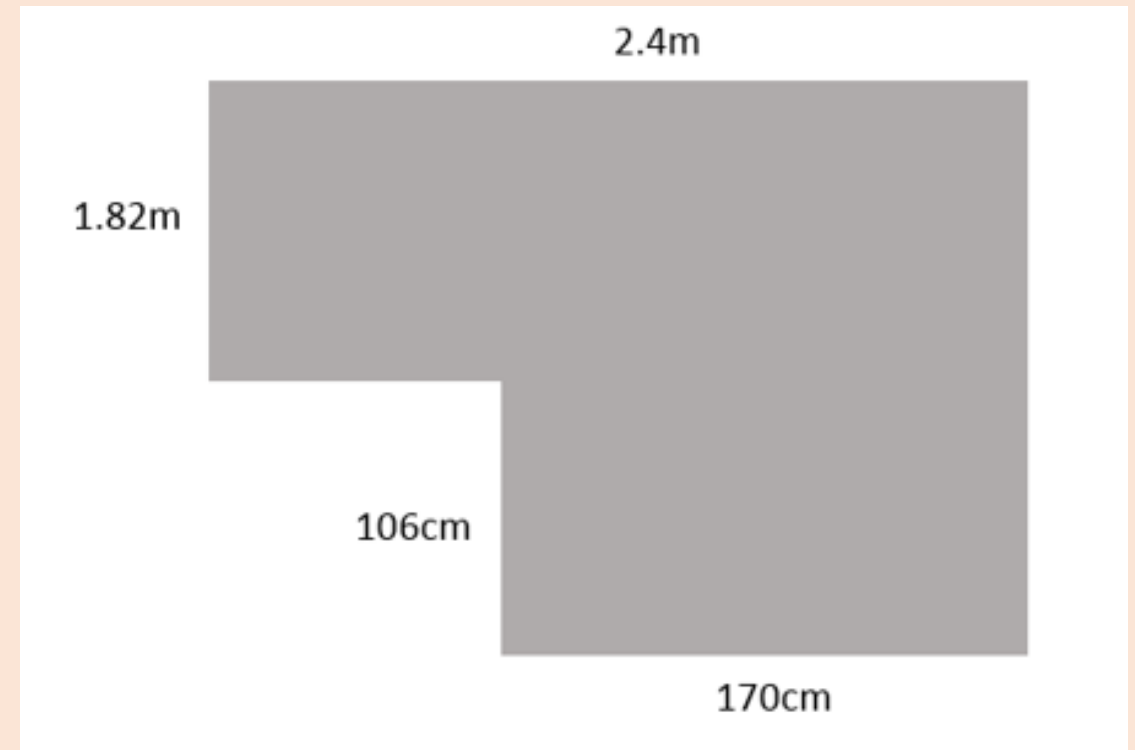
3 in 3

1. $2 \frac{1}{5} - \frac{4}{5} =$

2. $72.9 \times \underline{\hspace{2cm}} = 7,290$

3. $\frac{3}{4} \div 2 =$

Challenge - Calculate the perimeter and area of this shape.



27.02.25

TBAT: interpret and construct pie charts.

This pie chart shows the holiday destinations of 560 people.

Holiday Destinations



Partner discussion -

Use more/most or fewer/least to complete these sentences.

Spain is the _____ visited country.
_____ people visited France than Greece.

Portugal and Greece were the _____
visited countries.
_____ people visited Portugal than Spain.

27.02.25

TBAT: interpret and construct pie charts.

This pie chart shows the results when 160 people were asked to name their favourite fruit.

Favourite Fruit



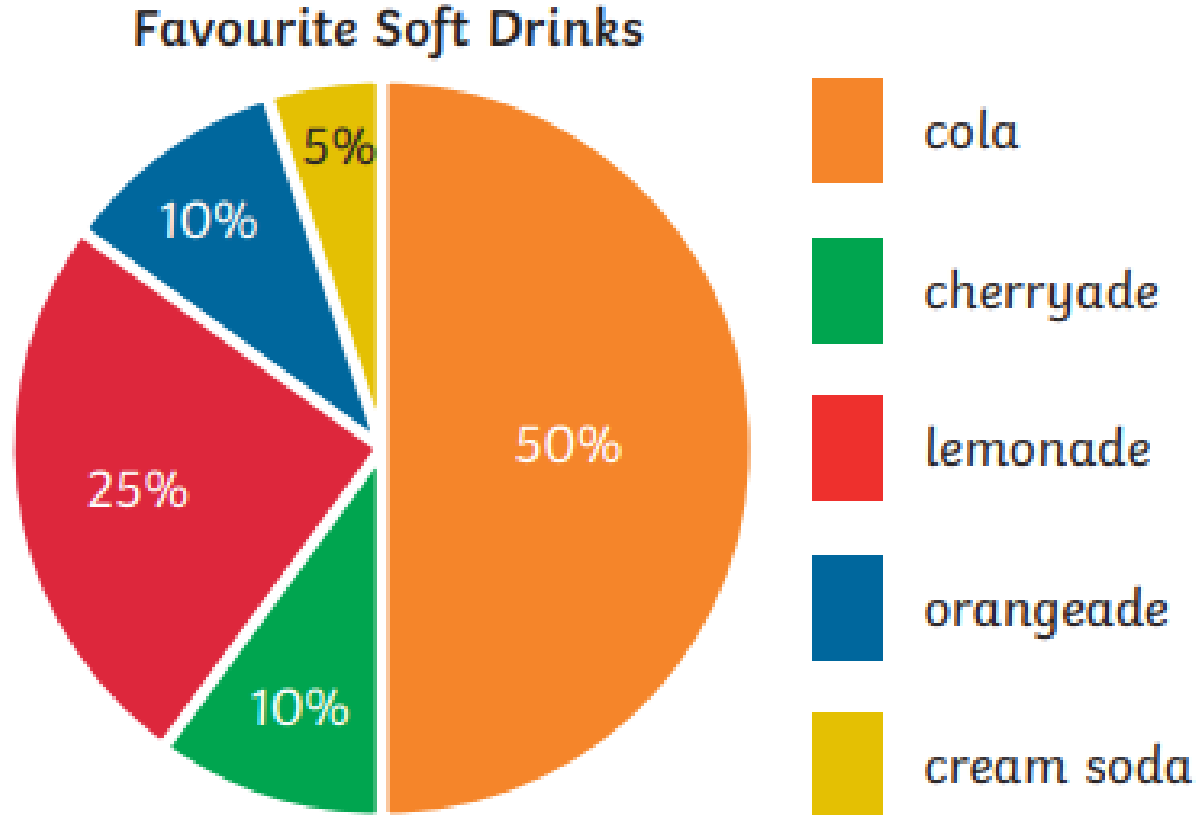
1. How many people chose orange as their favourite fruit?
2. How many people altogether chose banana and mango?
3. How many more people chose apples than pears as their favourite fruit?
4. What fraction of people chose banana as their favourite fruit?

Challenge – Write your own question (and answer) for this pie chart.

27.02.25

TBAT: interpret and construct pie charts.

260 people were asked to choose a favourite fizzy drink.
This pie chart shows the results.



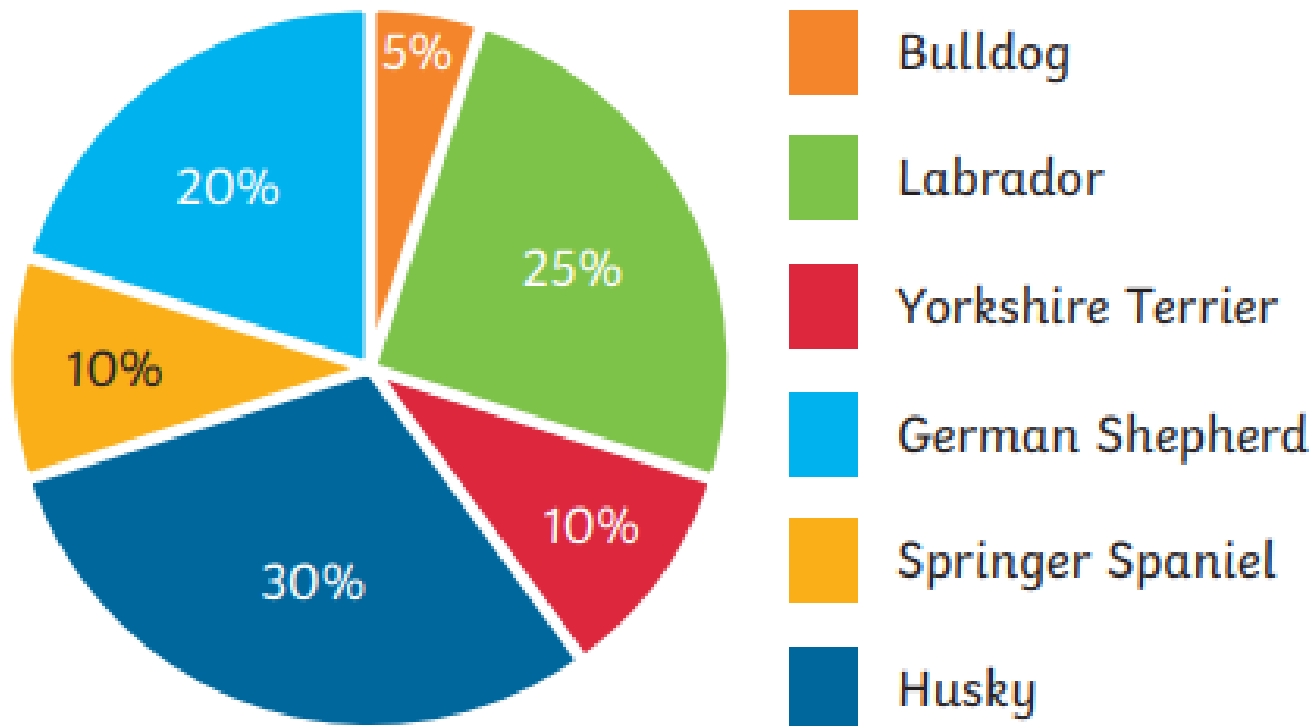
1. How many people chose orangeade as their favourite fizzy drink?
2. In total, how many people chose cola and cherryade as their favourite fizzy drink?
3. What is the difference between the number of people who chose cream soda and the number of people who chose lemonade as their favourite fizzy drink?

27.02.25

TBAT: interpret and construct pie charts.

300 people were asked to choose their favourite breed of dog. This pie chart shows the results.

Favourite Breeds of Dog



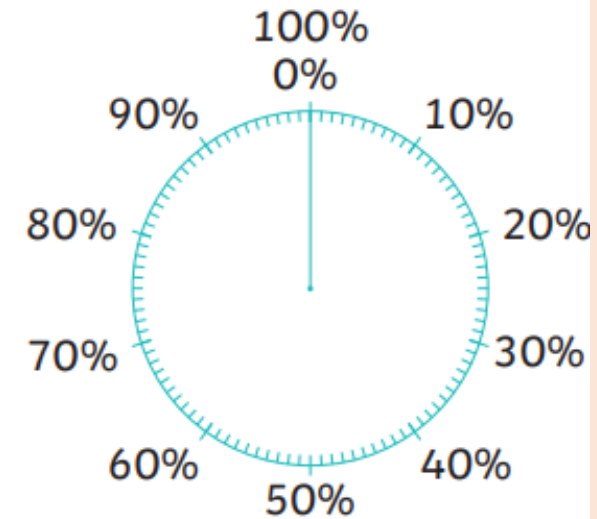
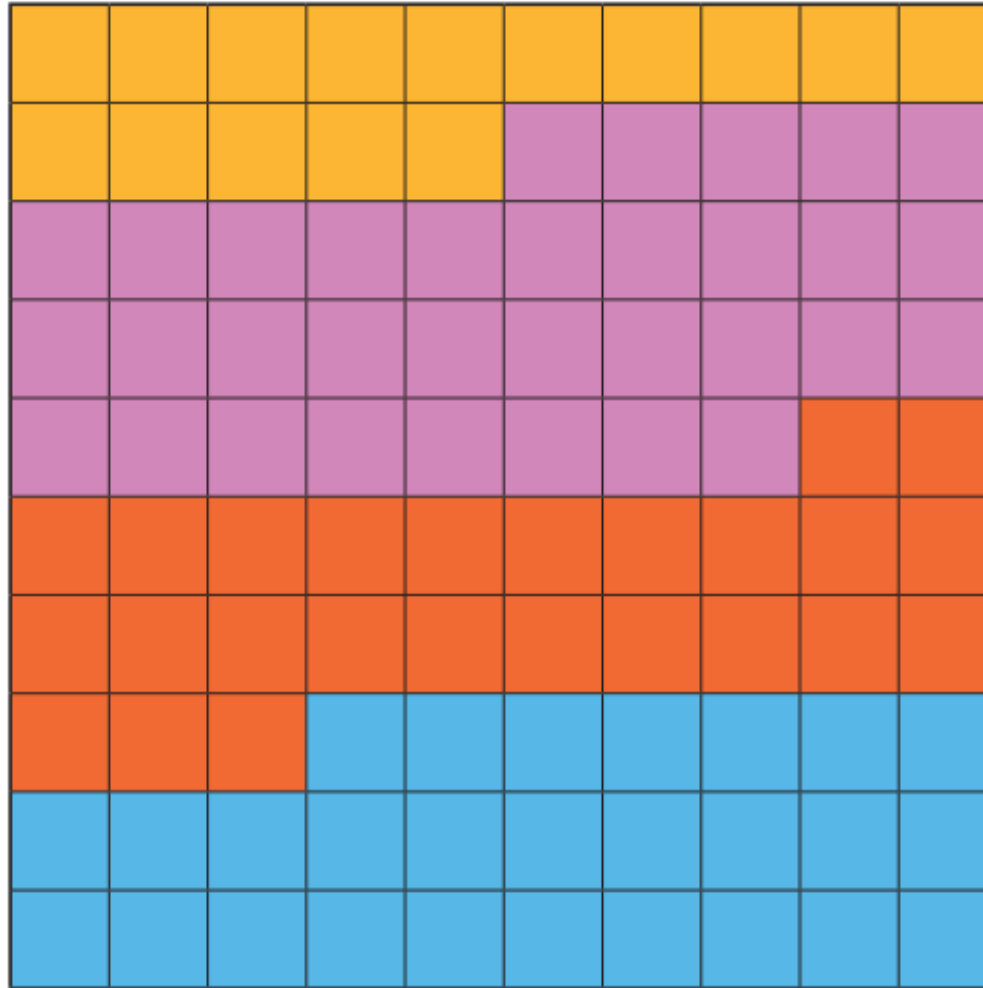
1. What percentage of people chose huskies and Labradors as their favourite breed of dog?
2. In total, how many people chose German shepherds and Yorkshire terriers as their favourite breed of dog?
3. How many more people chose springer spaniels than bulldogs as their favourite breed of dog?

27.02.25

TBAT: interpret and construct pie charts.

Children were asked to vote for their favourite colour. This square shows the percentage of children that chose each colour. Fill in the table and use the information to complete the pie chart.

Colour	Percentage
yellow	
pink	
red	
blue	



27.02.25

TBAT: interpret and construct pie charts.

Challenge

- 1) 120 children were asked what their favourite subject in school was. Decide if each statement about the pie chart is true or false. Explain your answers.

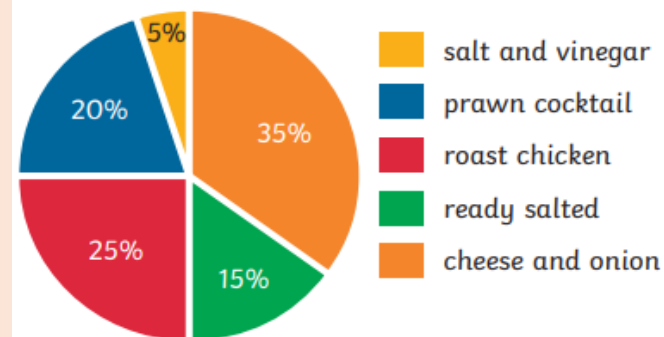
Favourite School Subjects



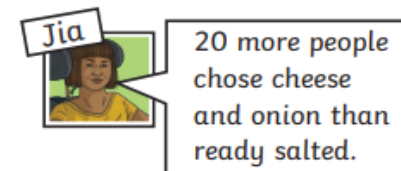
- A** 15 children said music was their favourite subject.
B 60 more children chose PE than art.
C $\frac{1}{7}$ of the children who were asked chose history as their favourite subject.
D 25 children from year 5 and 17 children from year 6 chose art as their favourite subject.

Mastery Challenge

480 people were asked to choose their favourite crisp flavour. The results are shown in this pie chart.



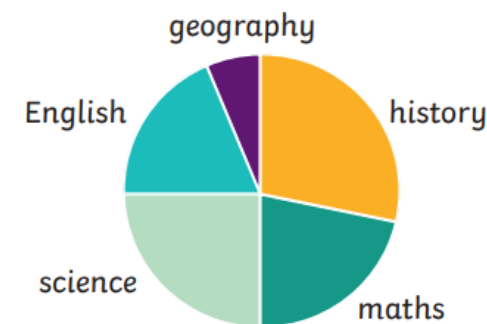
Is Jia's statement correct? Prove it.



Mastery with Greater Depth

This pie chart shows the results when children were surveyed about their favourite subjects. Use the fact that 10 children voted for science to help you complete the table.

Favourite Subject	Number of People	Size of Angle
history		108°
maths		
science	10	90°
English	7	
geography		
Total		360°



Not to scale.
Do not use a protractor.

Thursday 27th February

TBAT: write a persuasive letter in role of a character.

3 in 3

1. Circle the subject in the sentence below:

The white rabbit wound his pocket watch.

2. Circle the proper noun, underline the adverb, box the prepositional phrase and tick the compound word in the sentence below:

After the storm-like rain, Isla jumped enthusiastically in the puddles.

3. Add a main clause to go with the main clause below and punctuate it correctly.

Before they set off for the airport _____.

Challenge -> can you change the subordinating conjunction in sentence 3?

Thursday 27th February

TBAT: write a persuasive letter in role of a character.

Identify 3 persuasive devices. How do you know they are persuasive devices? Justify for your 3 features.

Identify the features of a formal letter. How do you know they are features of a formal letter? Justify for your 3 features.

Challenge -> what is standard English? How would you describe it?

Correct this sentence: Yesterday, I done my homework up the table.

Thursday 27th February

TBAT: write a persuasive letter in role of a character.

WTS Criteria:

- Capital letters for proper nouns
- Full stops
- Finger spaces
- Legible writing
- Y3/4 words
- Formal vocabulary

EXS Criteria:

- Formal language
- Parenthesis or relative clause
- Facts and evidence
- 2 of the Year 5 /6 spelling words spelt correctly
- Exaggeration
- Formal conjunctions
- **Joined handwriting**

GDS Criteria:

- 5 of the Year 5/6 words spelt correctly
- Formal vocabulary
- Exaggeration
- Formal conjunctions
- Modality
- Rhetorical question
- Ambitious vocabulary
- Range of punctuation () - ;

27th February

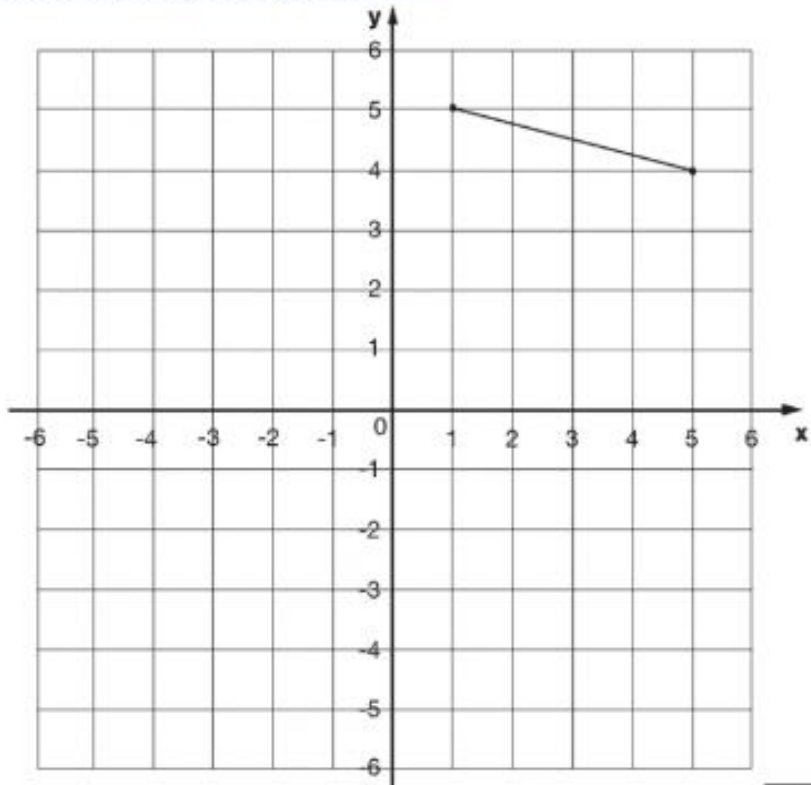
Maths Booster – Coordinates

The vertices of a polygon have these coordinates.

(1,5) (5,4) (2,-3) (-4,-2) (-5,2) (-3,5)

One side of the polygon has been drawn on the grid.

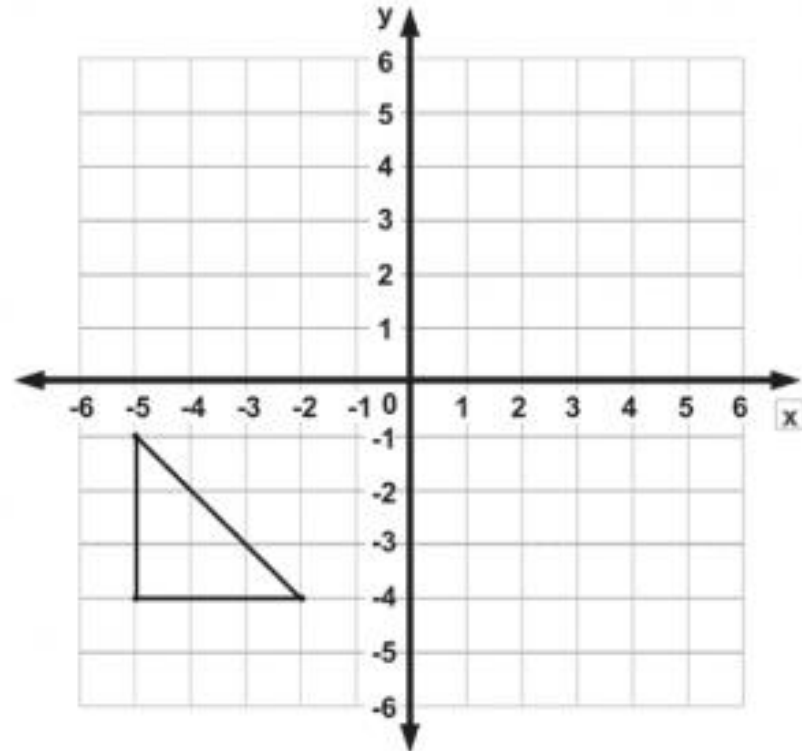
Complete the **polygon** using a ruler.



1 mark

14

Here a triangle is drawn on a coordinate grid.



The triangle is translated in the following order:

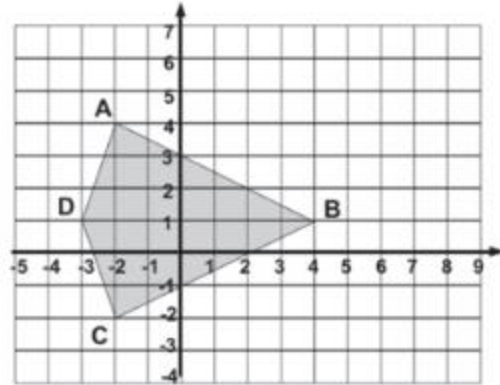
2up, 7 right and again 3 down.

27th February

Maths Booster – Coordinates

16

Here is a shape on the coordinate axes.



What are the **coordinates** of the points A, B, C, and D?

A (__, __) B (__, __) C (__, __) D (__, __)

1 mark

On the grid above, **draw and label** shape PQRS with the following coordinates:

P(6,-2), Q(5,2), R(6,6), S(7,2)

1 mark

Name the shapes ABCD and PQRS.

Shape ABCD =

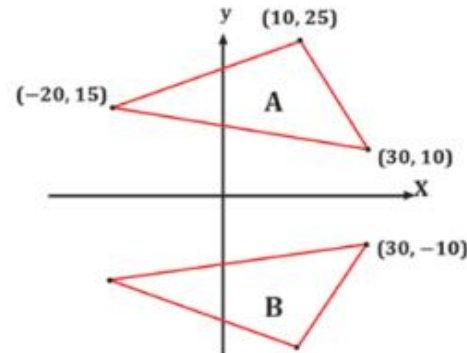
Shape PQRS =

1 mark

Here are two triangles drawn on coordinate axes.

Triangle B is a reflection of Triangle A in the x-axis.

What are the **coordinates** of the other two vertices of triangle B?

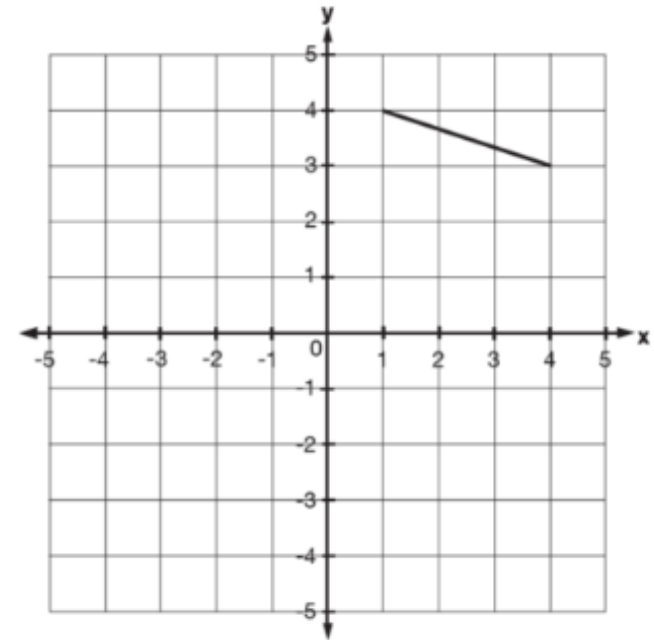


1 mark

The vertices of a quadrilateral have these coordinates.

(1,4) (4,3) (2,-2) (-3,1)

One side of the quadrilateral has been drawn on the grid.



Complete the quadrilateral.

27th February

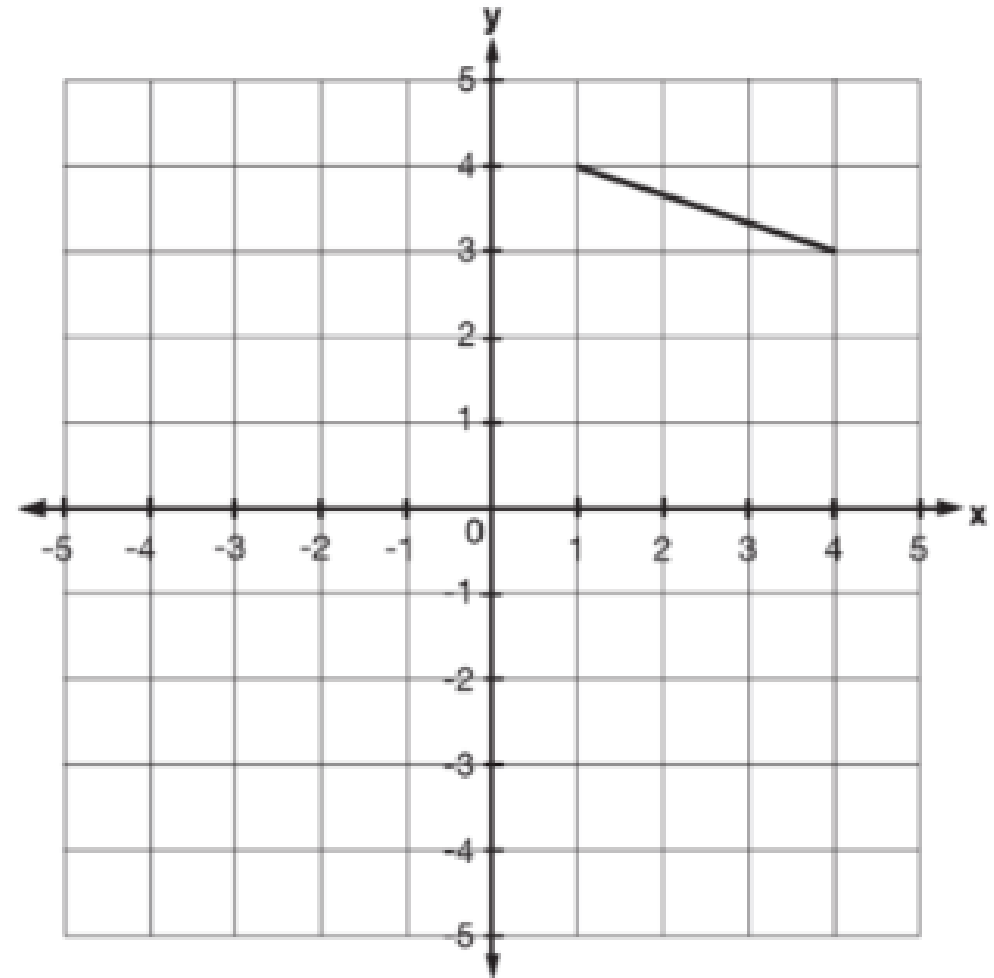
Maths Booster

– Coordinates

The vertices of a quadrilateral have these coordinates.

$(1,4)$ $(4,3)$ $(2,-2)$ $(-3,1)$

One side of the quadrilateral has been drawn on the grid.



Complete the quadrilateral.

27th February

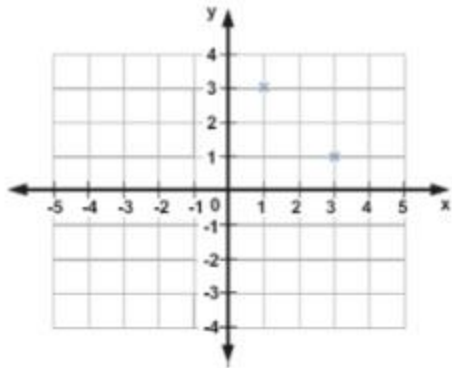
Maths Booster – Coordinates

Points $(1,3)$ and $(3,1)$ are **marked** on the square grid.

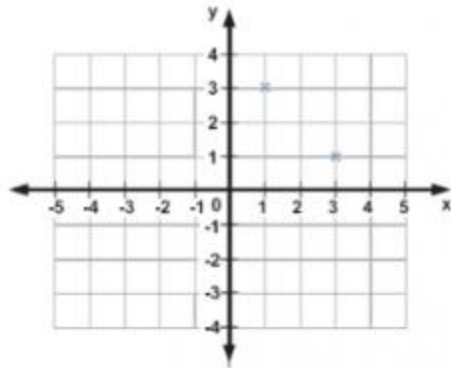
These points are **two** vertices of a shape.

Add other vertices to make the given shapes and **shade** each shape.

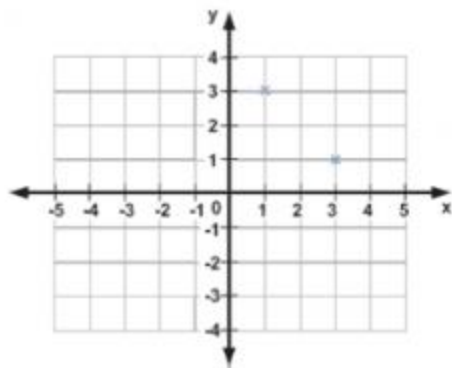
A Square



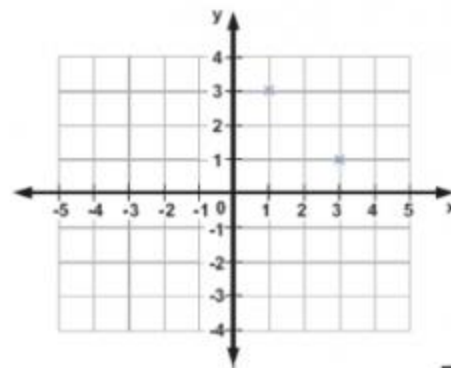
A Kite



A Parallelogram

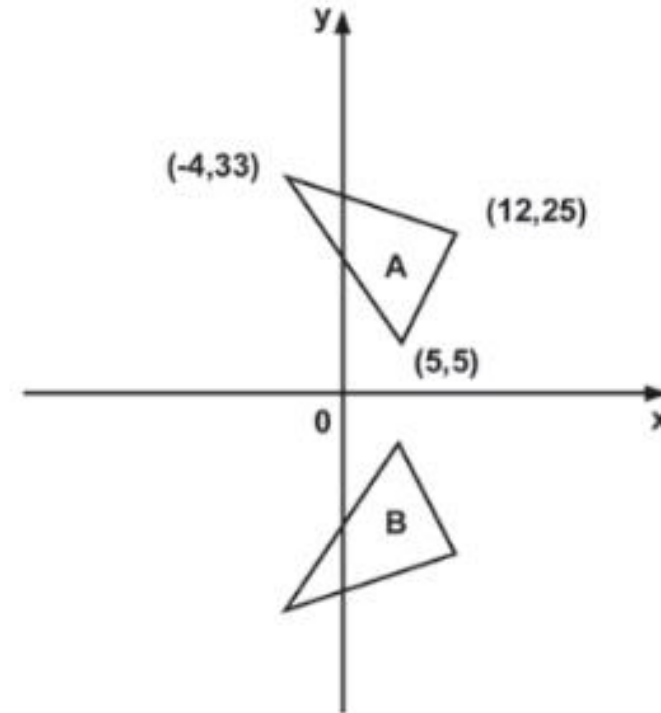


A Trapezium



2 marks

Here are two triangles drawn on coordinate axes.



Triangle B is a reflection of triangle A in the x-axis.

Two of the new vertices of triangle B are $(5, -5)$ and $(12, -25)$.

What are the coordinates of the **third vertex** of triangle B?

27.02.25 - Reading Booster

Read the extract of chapter one, 'Boy'.

4) Clarify what the phrase, 'Perfect had been alive with the news...' means.

_____ (1 mark)

5) What do you think the Doctor will help with?

_____ (1 mark)

6) Find a word in the text which is similar in meaning to a risky manoeuvre.

_____ (1 mark)

7) Why do you think the girl could be frightened?

_____ (1 mark)

Grammar focus

8) Find an example of an adverbial phrase in the text. _____ (1 mark)

9) Find an adverb in the text. _____ (1 mark)

10) Find an example of parenthesis in the text.
_____ (1 mark)

BOY

He waited. Hidden by dusk and the garden bushes against the bark of an oak tree. Watching. The spot gave him full view of the house and gravel driveway.

Worrying about being seen felt weird.

Perfect had been alive with the news of Doctor Eugene Brown's arrival for weeks. The doctor would help. Boy knew it, more than he'd ever known anything. He just had to get to the man before he changed.

As night closed in, George and Edward Archer strode by and mounted the stone steps to the house. The place lit up and Boy watched them move around inside.

Suddenly light darted across the grass by his feet and Boy pulled back further into the shadows. A silver car crunched along the driveway towards him and stopped. His heartbeat quickened. The engine purred to silence.

The large door of the house opened and the Archer twins stood silhouetted in the light from the hallway. As Boy watched, statue still, a shiver danced down his spine.

A man got out of the driver's seat; a woman from the passenger's side.

He hadn't imagined the doctor would have company. The woman looked nervous, staring across the roof of the car at the man. He smiled awkwardly at her then walked towards the twins, greeting them with a handshake. The woman followed and the four of them disappeared inside.

Boy ventured a little out of the shadows, stopping short as the doctor called, "Violet. Come in from the car, pet, it's chilly out there."

The back door of the car opened a little, then quickly slammed shut as a breeze rustled the leaves above him.

Boy held his breath and pulled back into hiding. The car door swung open again, and this time a small, frightened girl dashed out across the gravel towards the house.

Boy couldn't help laughing. She sped up, jumped the steps and rushed in through the front door, banging it shut behind her and plunging the yard back into darkness.

The car door hung open and Boy pushed it shut as he edged closer to the kitchen window. He just caught sight of the girl sliding into the room.

He sat down by the steps to wait.

In a sleepy garden, far from the smog and general chaos of the sprawling city, there lived two very different creatures: a rat (Ratty) and a mouse (rather predictably... Mousey). At a first glance, they were admittedly of fairly similar appearance: glossy coats of chestnut fur; wiry white whiskers; and bright beady eyes that revealed a wisdom beyond their years. Nevertheless, their characters were like chalk and cheese. With his winning smile, Ratty could always be relied on to brighten up a room; endlessly morose, a few minutes with Mousey would leave you down in the dumps for days!

Against their better judgement, the two had ended up as neighbours: they lived in adjoining holes under a compost heap at the back of a ramshackle shed which, despite being slightly on the cramped side, were relatively comfortable. Although the rotting foodstuffs did emit a rather foul odour, their modest homes boasted many creature comforts. Indeed, Ratty constantly strived to spruce up the darkness with interesting items that he had found discarded in nearby fields: polished pebbles; brightly coloured buttons; and even the occasional fox tooth! "Gah! More clutter!" Mousey would exclaim through gritted teeth.

1. Look at the first paragraph. Find and copy one word that tells us that the city was large.

2. Find and copy a group of words in the first paragraph that mean completely the opposite.

3. Find and copy a group of words from the second paragraph meaning bad smell.

4. Look at the sentence below. Find and copy one word that gives the impression that the animals' homes are small.

Against their better judgement, the two had ended up as neighbours: they lived in adjoining holes under a compost heap at the back of a ramshackle shed which, despite being slightly on the cramped side, were relatively comfortable.

5. Find and copy the word that tells us the objects Ratty found were not wanted by their previous owners.

There were concealed spaces I had never explored in the ancient caves, which smelt musty and unused, but I had returned to what was familiar to me. Stalactites hung from the extraordinary ceilings; artefacts were strewn across the jagged floor next to rock benches where people from a past time would have sat, maybe wondering how they would escape the caves when the tide came in. I sometimes allowed myself to become consumed by thoughts about those people and their relationship with the caves, but it was the artefacts that held the fascination for me. Barrels, once round and shiny, were dull and rotting – no longer the safe haven for the precious goods they had once contained; leatherbound books lay damp and useless, the secrets they held within them silenced, and candles, long extinguished, had ripples of spilt wax dried on – evidence that they had once been alight. I contemplated how I could find out what they were for, who it was that had deserted them and why they had never returned to claim them.

1. I contemplated how I could find out what they were for, who it was that had deserted them and why they had never returned to claim them.

Use the context of the sentence to work out the meaning of the underlined word.

2. Write one synonym that each of the words below could be replaced with in the text.

Word	Synonym
concealed	
jagged	
ripples	
deserted	

3. Write the meaning of the following words in the text above. You may use other resources to help you.

- a. stalactites _____
- b. strewn _____
- c. consumed _____
- d. extinguished _____

4. Write a new sentence for each word to show that you understand their meaning.