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Lower KS2

Cornerstones

Maths

Summative Reasoning Test

Paper 3 Spring term

Year 4 set

23 questions | 40 minutes

Calculator not allowed

First name	
Last name	
Class	
Date	

For marker's use only

Question number	Marks
1 – 3	/6
4 – 9	/8
10 – 20	/17
21 – 23	/4
Total out of 35	

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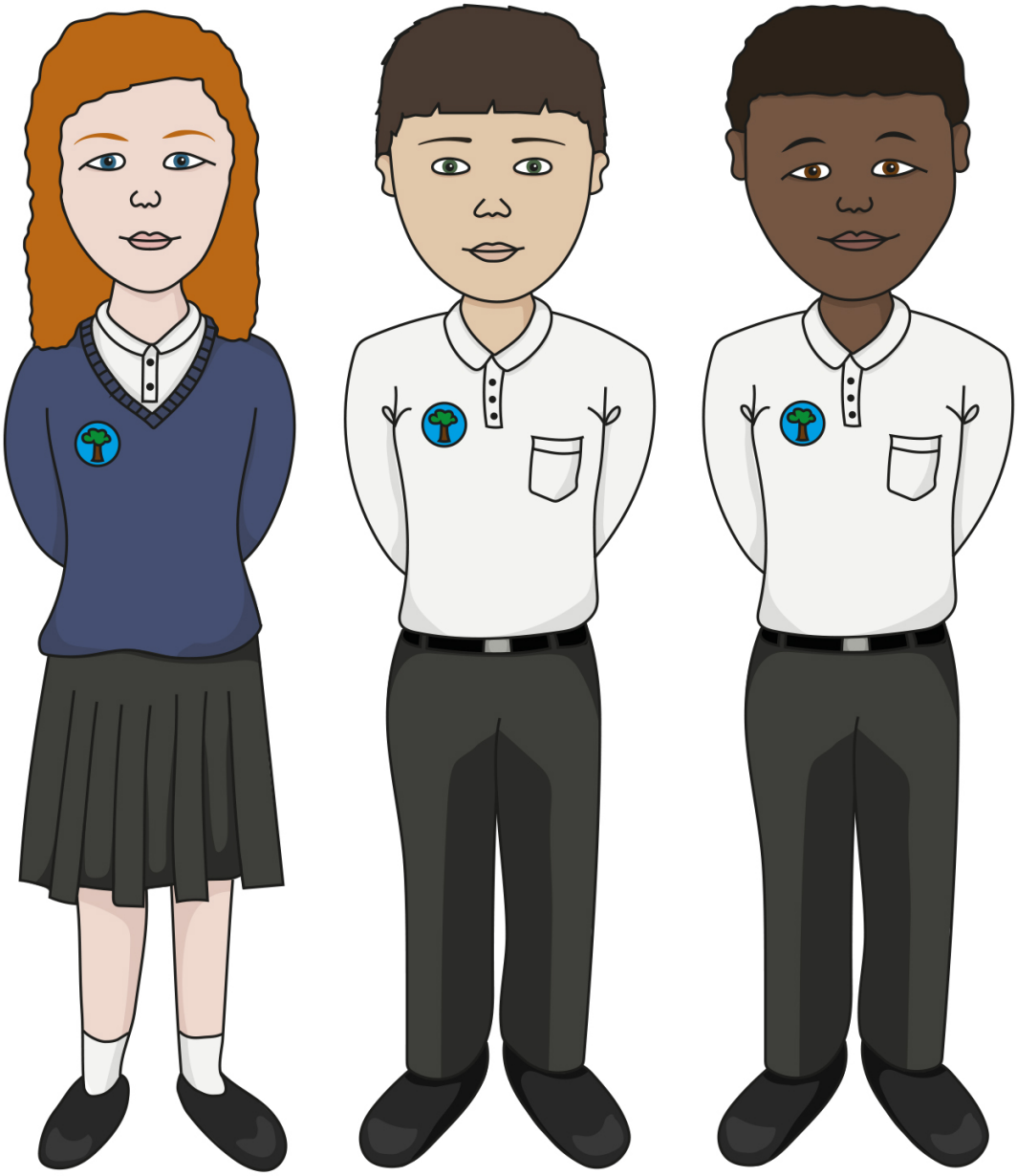

Emma Jack Malik

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Instructions

- You cannot use a calculator or tracing paper to help you answer the questions.
- You have 40 minutes to complete the test.
- Read each question carefully.
- If you need to do working out, you can use the white space on a page.
- After you have worked your answer out, remember to write it in the answer box.
- Some questions have a method box. Make sure you use this to make notes and show your working out. You may get a mark for doing so.
- If you make a mistake, change your answer by crossing or rubbing it out.
- If you can't do a question, go on to the next one. You can come back to it later if you have time.
- If you finish before the end, go back and check your work.

Practice question

Look at this number.

98

Write the **digit** that is in the one's place.

Write the **digit** that is in the ten's place.

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Question 1

Write the missing answers in the boxes.

$\frac{1}{2}$ of 16 = ☐

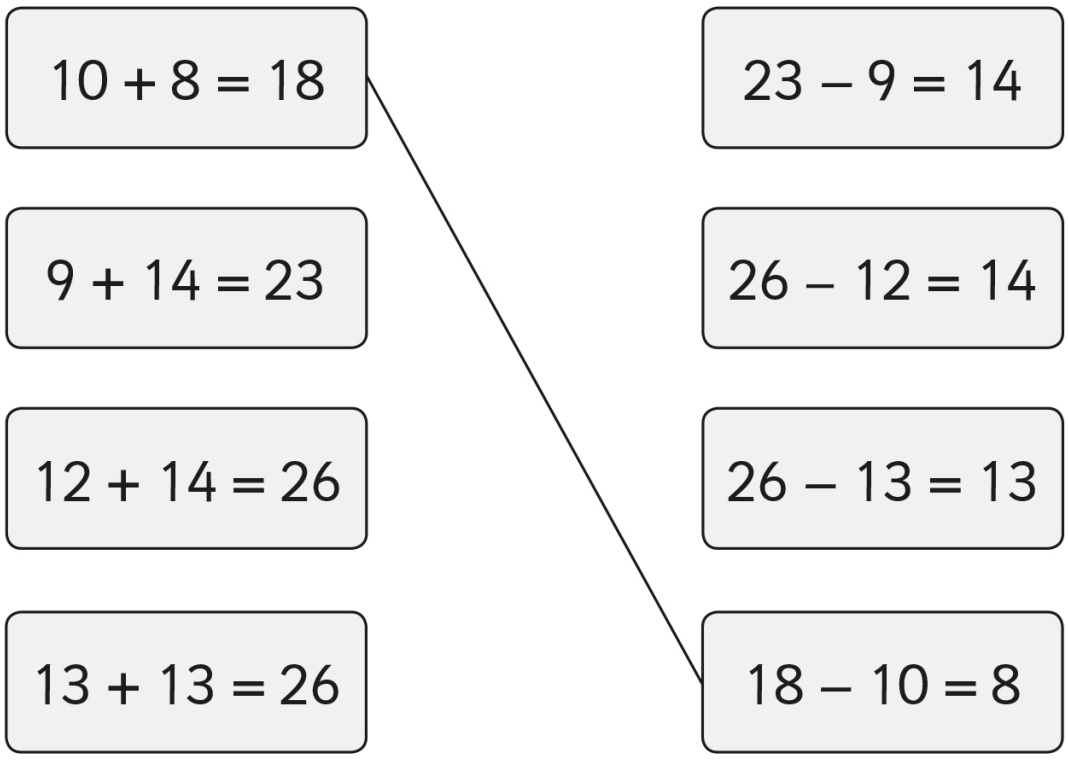
$\frac{1}{2}$ of 26 = ☐

☐
2 marks

Question 2

Draw a line to match the addition to its **inverse** subtraction.

One has been done for you.



☐
2 marks

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Question 3

The boys and girls in Year 4 were asked to choose their favourite subject at school.

The results were recorded in a table.

	Boys	Girls
Art	26	12
Geography	7	3
History	3	13
Music	6	7
Science	18	16

Which **subject** was chosen by the **least** number of children?

1 mark

How many **more** boys chose art than girls?

boys

1 mark

Total out of 6 _____

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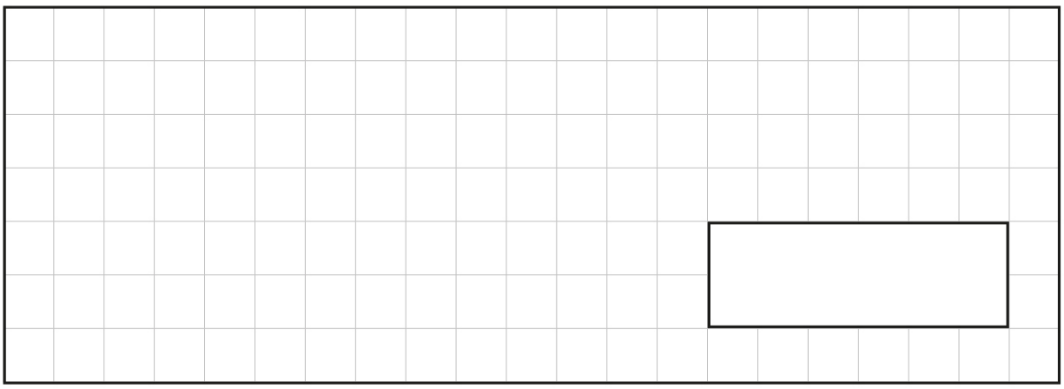
Question 4

What is 456 + 247?

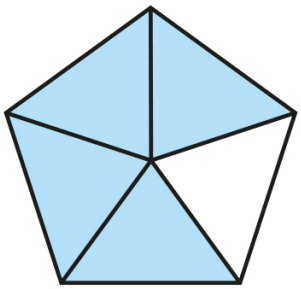


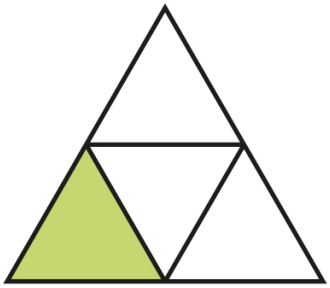
1 mark

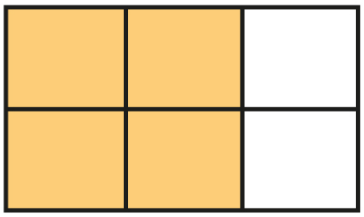
Question 5

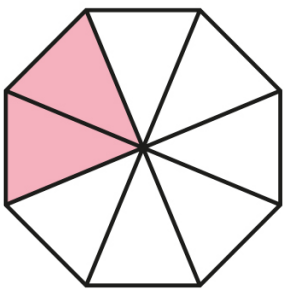
Look at the shapes below.
Parts of these shapes are shaded.

Circle the shapes that have $\frac{1}{4}$ shaded.









1 mark

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Question 6

Complete the table below.

Digits	Words
456	
	four hundred and two
980	
	five hundred and twenty three

2 marks

Question 7

Write these numbers in **order** from smallest to largest.

341 314 343 344 433

Smallest Largest

1 mark

Total out of 5 _____

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Question 8

Tick (✓) the correct answer.
A glass holds **approximately**...

30ml ☐

300ml ☐

3000ml ☐

300L ☐

☐
1 mark

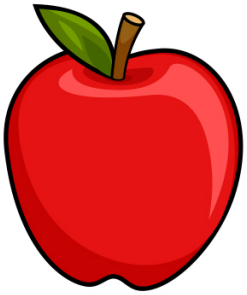
Tick (✓) the correct answer.
An apple weighs **approximately**...

10g ☐

100kg ☐

100g ☐

1g ☐



☐
1 mark

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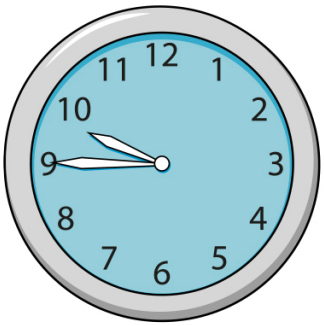
Question 9

Emma takes 35 **minutes** to walk to the park.
She leaves her house at 9:45am.



What time will she arrive at the park?

_____ am

1 mark

Question 10

Look at the numbers below.

Round each number to the **nearest** 1000.

4561 → _____

2321 → _____

2 marks

Total out of 5 _____

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Question 11

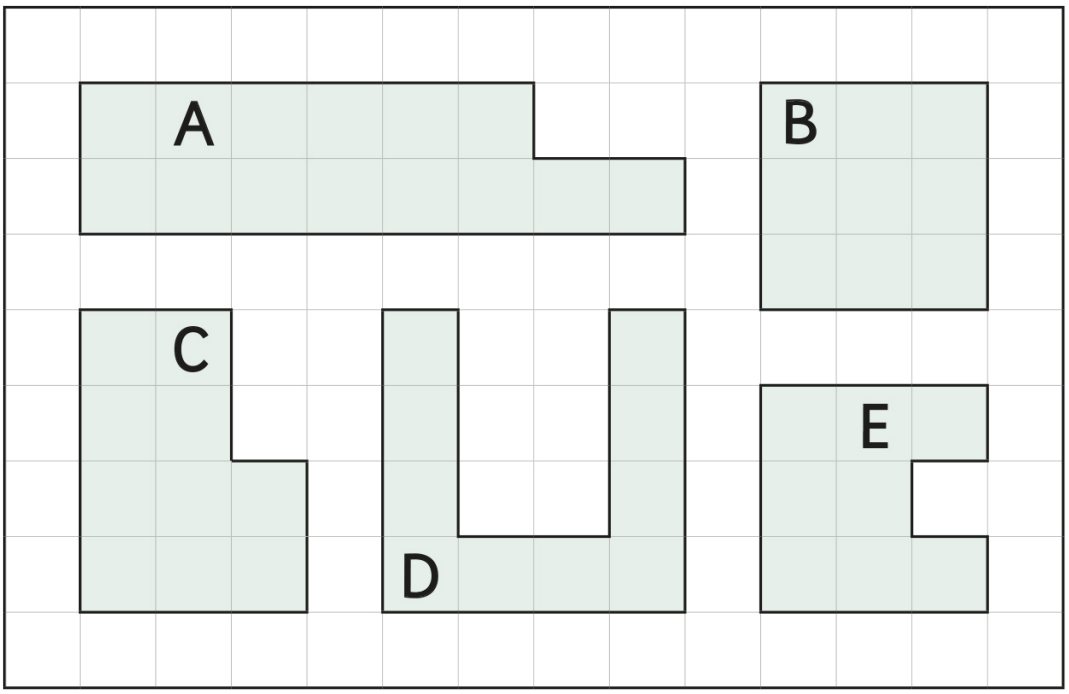
Complete this sequence.

[ ], 18, 24, [ ], 36, 42

1 mark

Question 12

Look at the shapes on the 1cm square grid below.



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

[ ] cm^2

1 mark

Which shape has the largest **area**?

[ ]

1 mark

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Question 13

A shop sells bikes.

The **pictogram** below shows how many bikes were sold in one day.

Key	
●	= 10 bikes

Blue	●●●●
Green	●●●◗
Red	●●●●●◗
Yellow	●●

How many blue and green bikes were sold in **total**?

bikes

1 mark

How many **more** red than yellow bikes were sold?

red bikes

1 mark

Total out of 5 _____

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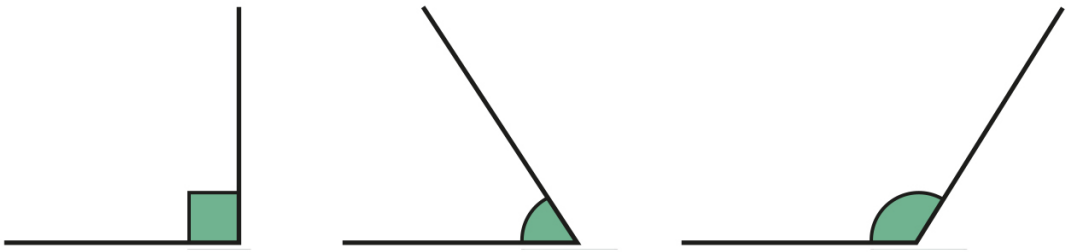
Question 14

Look at the **angles** below.
One of the angles is **acute**.

Put a tick next to the **acute angle**.



☐

1 mark

Look at the **trapezium** below.
It has **two obtuse angles**.

Write the **letters** of the **obtuse angles**.

☐ and ☐

☐

1 mark

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Question 15

Calculate

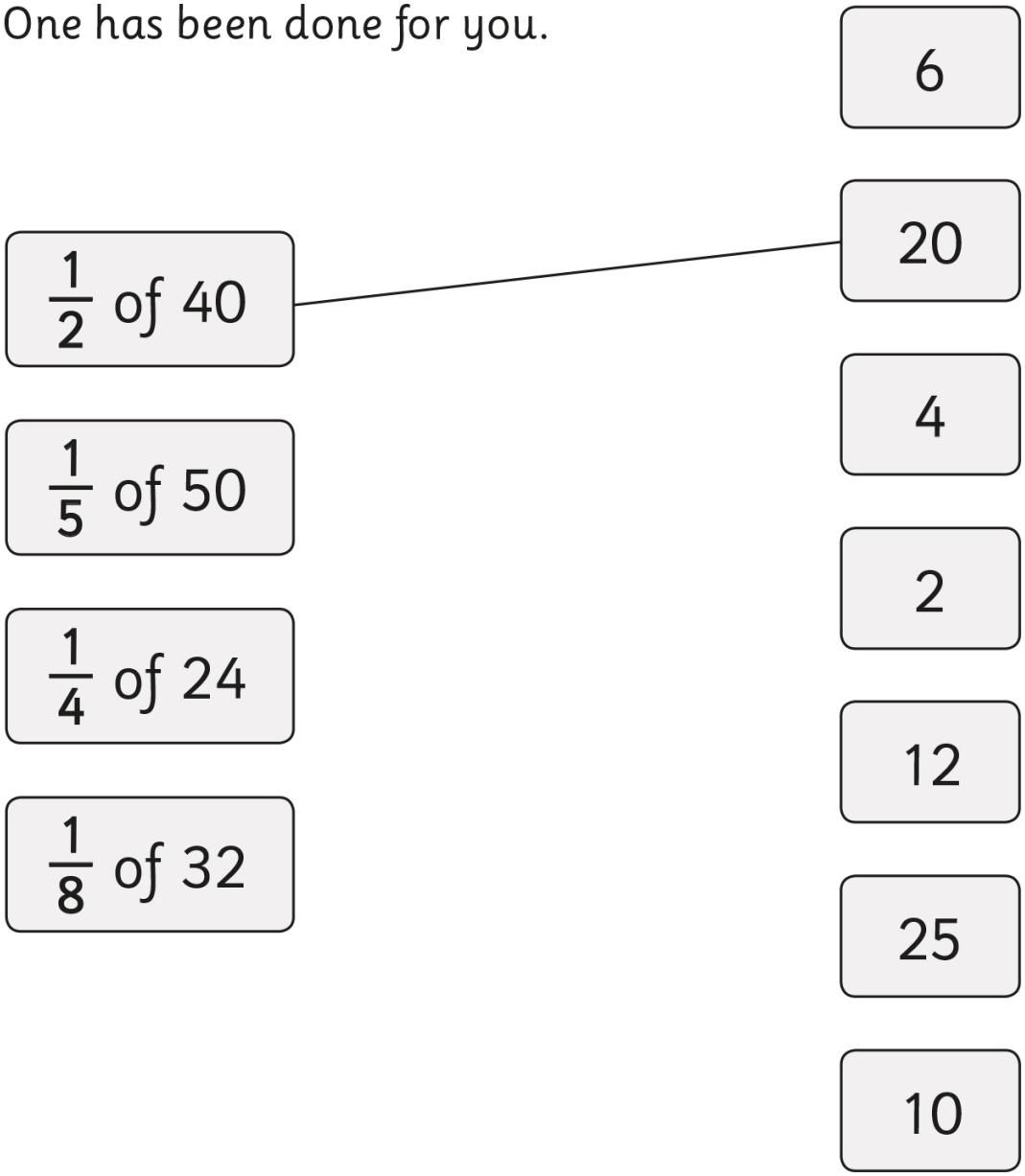
$\frac{2}{9} + \frac{3}{9} = \square$

1 mark

Question 16

Match **each** calculation to the correct answer.

One has been done for you.



2 marks

Total out of 5 _____

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Question 17

Calculate

$$\begin{array}{r} 645 \\ -\ 250 \\ \hline \square \end{array}$$

1 mark

Question 18

Fill in the missing **digit**.

$$\begin{array}{r} 23\square \\ \times\ \ \ 4 \\ \hline 940 \end{array}$$

1 mark

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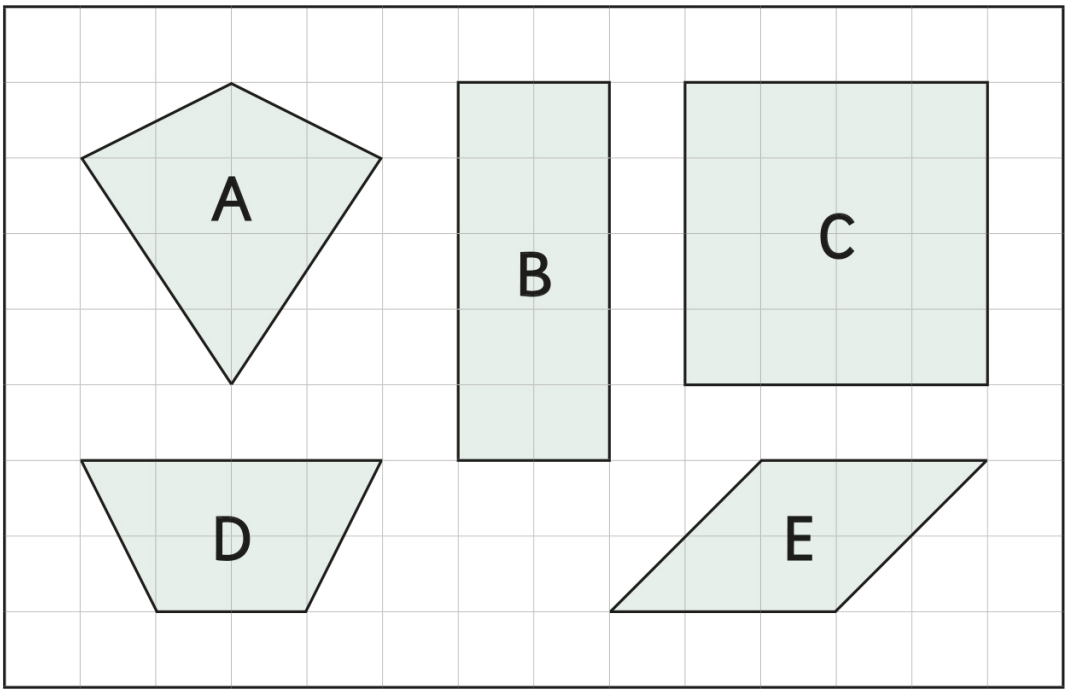
Question 19

Look at the **quadrilaterals** on the grid below.



Write the **letter** of the shape that is a **parallelogram**.

1 mark

Write the **letter** of the shape that has no **parallel** sides.

1 mark

Total out of 4 _____

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Question 20

A shop sells sweets.

Marshmallow	Candy cane	Lollipop
25p	50p	65p

Emma buys 3 marshmallows and 2 lollipops.

How much does she spend **altogether**?

£

1 mark

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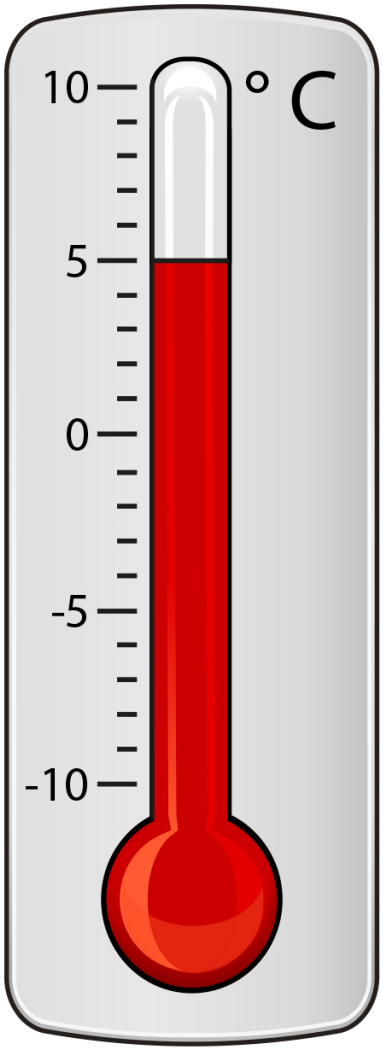
Question 21

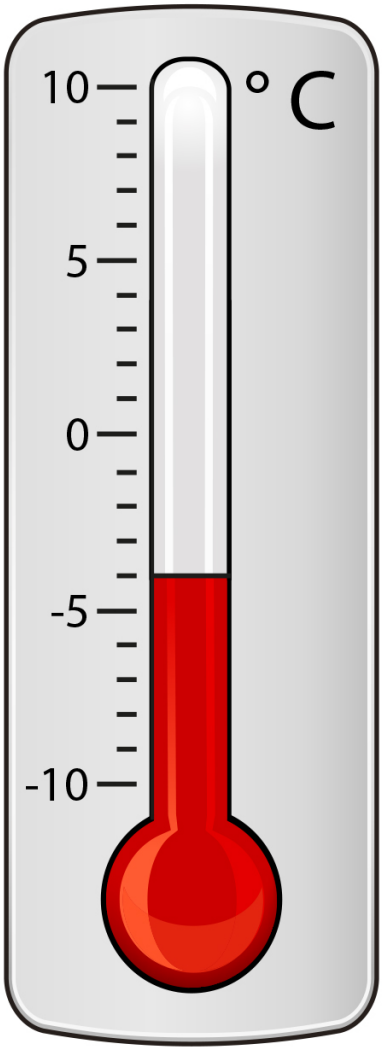
Look at the **thermometers** below.

They show the **temperature** in London and New York.

London



New York



How many **degrees** colder is it in New York?

°C

1 mark

Total out of 2 _____

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Question 22

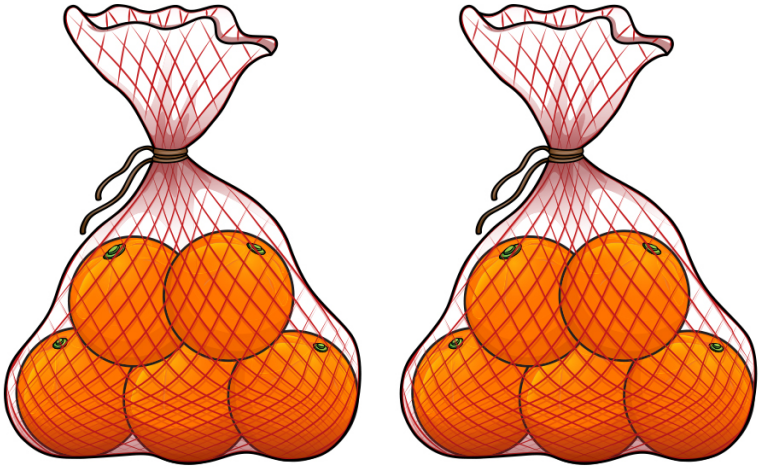
Circle **all** of the numbers that are **factors** of 24.

20 12 48 6 3 10

1 mark

Question 23

Malik buys 2 bags of oranges.



He pays with a £1 coin and £2 coin.
He gets 60p **change**.

How much is **1 bag** of oranges?

£

2 marks

Total out of 3 _____

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