

1

Ali puts these five numbers in their correct places on a number line.

511

499

502

555

455

Write the number **closest** to 500

1 mark

Write the number **furthest** from 500

1 mark

2

A



£135,300

B



£119,125

C



£130,500

D



£131,500

E



£91,500

Put these houses in order of price starting with the **lowest price**.

One has been done for you.

_____ **B** _____
lowest

1 mark

3

Write the three missing digits to make this **addition** correct.

$$\begin{array}{r} 15\Box \\ + 4\Box4 \\ \hline \Box15 \end{array}$$

2 marks

4

This table shows the number of people living in various towns in England.

Town	Population
Bedford	82,448
Carlton	48,493
Dover	34,087
Formby	24,478
Telford	166,640

What is the **total** of the numbers of people living in Formby and in Telford?

1 mark

What is the **difference** between the numbers of people living in Bedford and in Dover?

1 mark

5

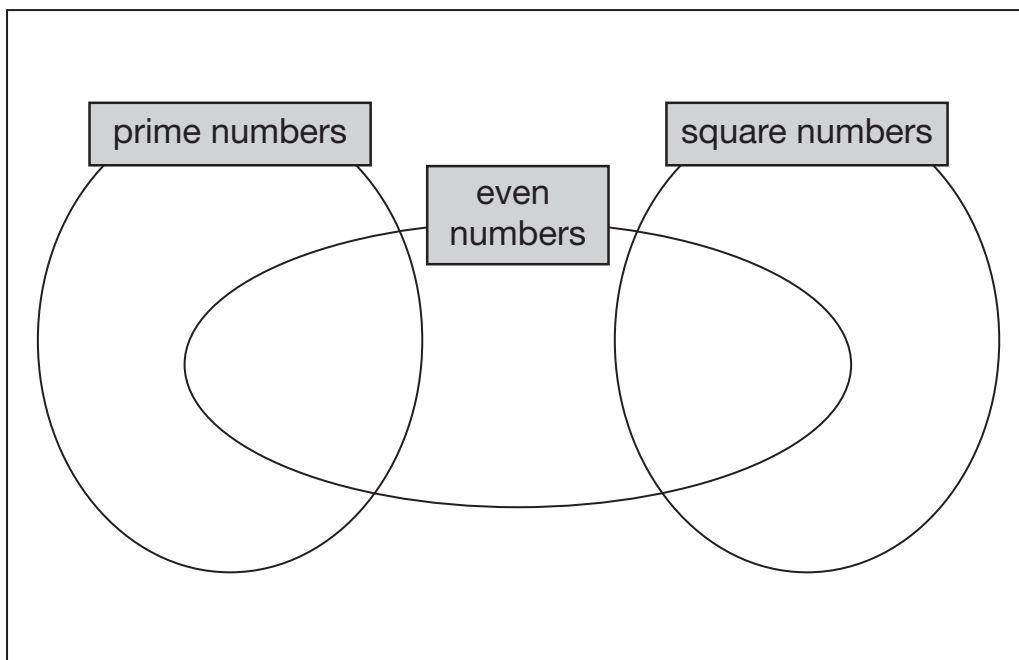
Write each number in its correct place on the diagram.

16

17

18

19



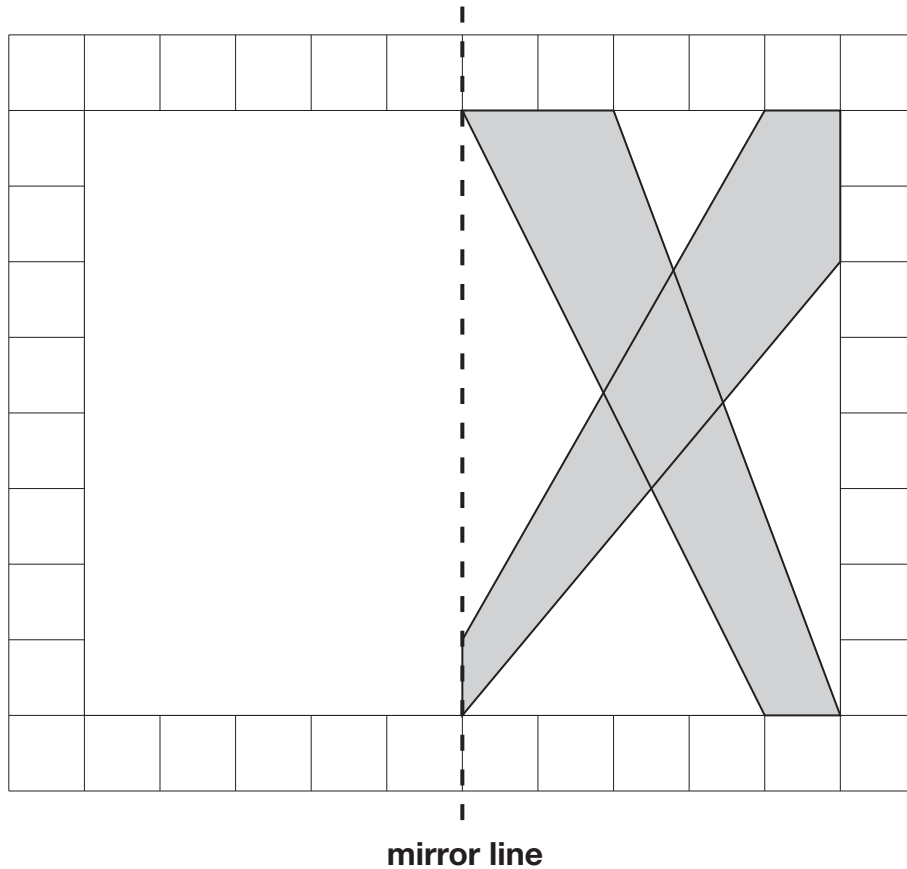
2 marks

6

This diagram shows a shaded shape inside a border of squares.

Draw the reflection of the shape in the mirror line.

Use a ruler.



1 mark

7

Write the two missing values to make these equivalent fractions correct.

$$\frac{\boxed{}}{3} = \frac{8}{12} = \frac{4}{\boxed{}}$$

1 mark

1 mark

8

Circle two numbers that add together to equal **0.25**

0.05

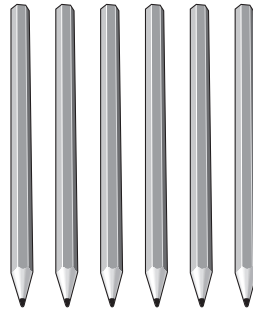
0.23

0.2

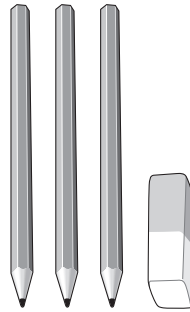
0.5

1 mark

6 pencils cost **£1.68**



3 pencils and 1 rubber cost **£1.09**



What is the cost of **1 rubber**?

Show
your
method

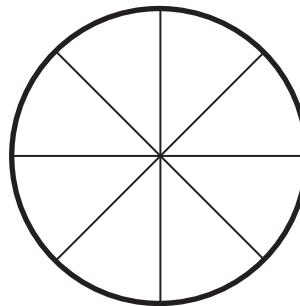
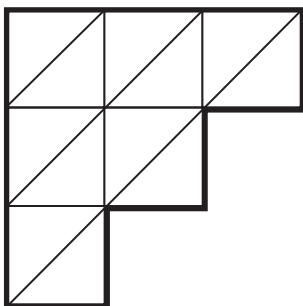
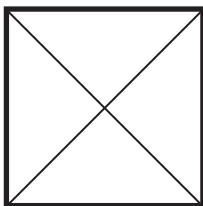
A full-page view of a blank sheet of graph paper. The grid consists of light red horizontal and vertical lines forming small squares. A thick black border frames the entire page. On the right side, there is a rectangular area defined by a thick black border, which appears to be a placeholder for a drawing or label.

2 marks

10

Each diagram below is divided into equal sections.

Shade three-quarters of each diagram.



2 marks

11

A packet contains 1.5 kg of oats.



Every day Maria uses 50g of oats to make porridge.

How many days does the packet of oats last?

Show your method

days

2 marks

12

$$n = 22$$

What is $2n + 9$?

1 mark

$$2q + 4 = 100$$

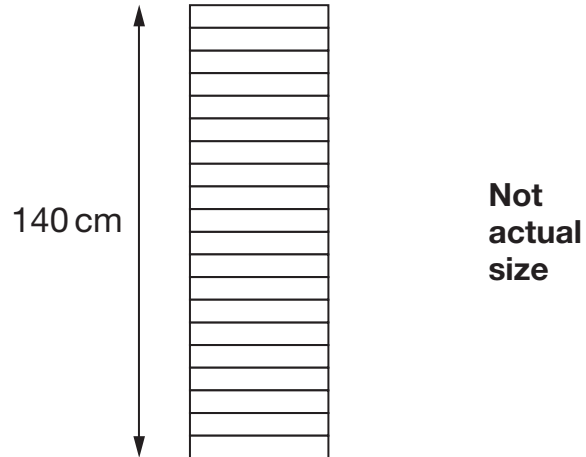
Work out the value of q .

$q =$

1 mark

13

A stack of 20 identical boxes is 140 cm tall.



Stefan takes **three** boxes off the top.

How tall is the stack now?

Show
your
method

cm

2 marks

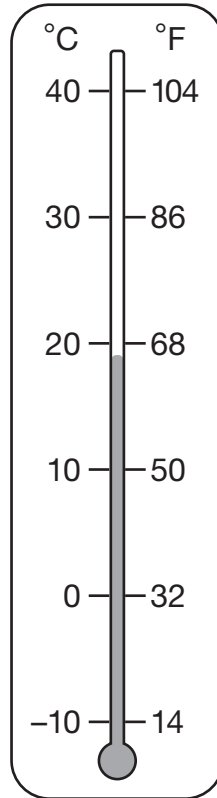
14

Write **all** the common multiples of 3 and 8 that are **less than 50**

1 mark

15

This thermometer shows temperatures in both °C and °F.



Work out what **25°C** is in °F.

Show
your
method

°F

2 marks

16

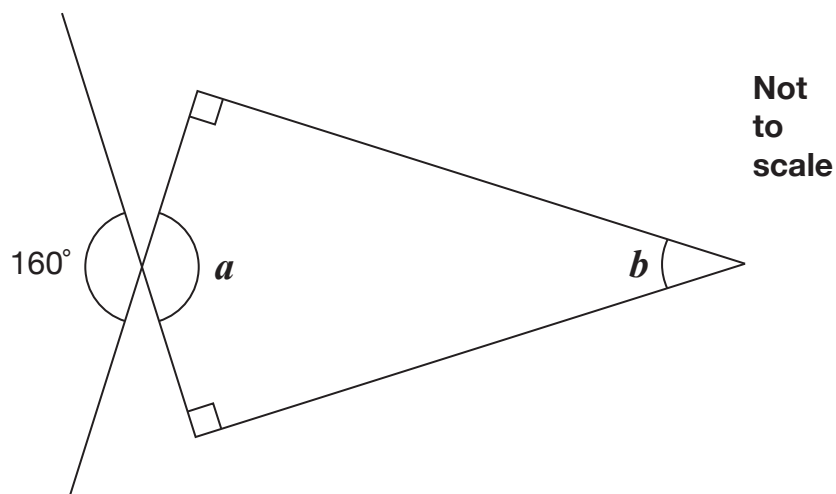
Write the number that is five less than **ten million**.

1 mark

Write the number that is one hundred thousand less than **six million**.

1 mark

17

Calculate the size of angles a and b in this diagram. $a =$

1 mark

 $b =$

1 mark

18

Write the missing number.

$$70 \div \boxed{} = 3.5$$

1 mark

19

Miss Mills is making jam to sell at the school fair.

Strawberries cost £7.50 per kg.

Sugar costs 79p per kg.

10 glass jars cost £6.90

She uses 12 kg of strawberries and 10 kg of sugar to make 20 jars full of jam.

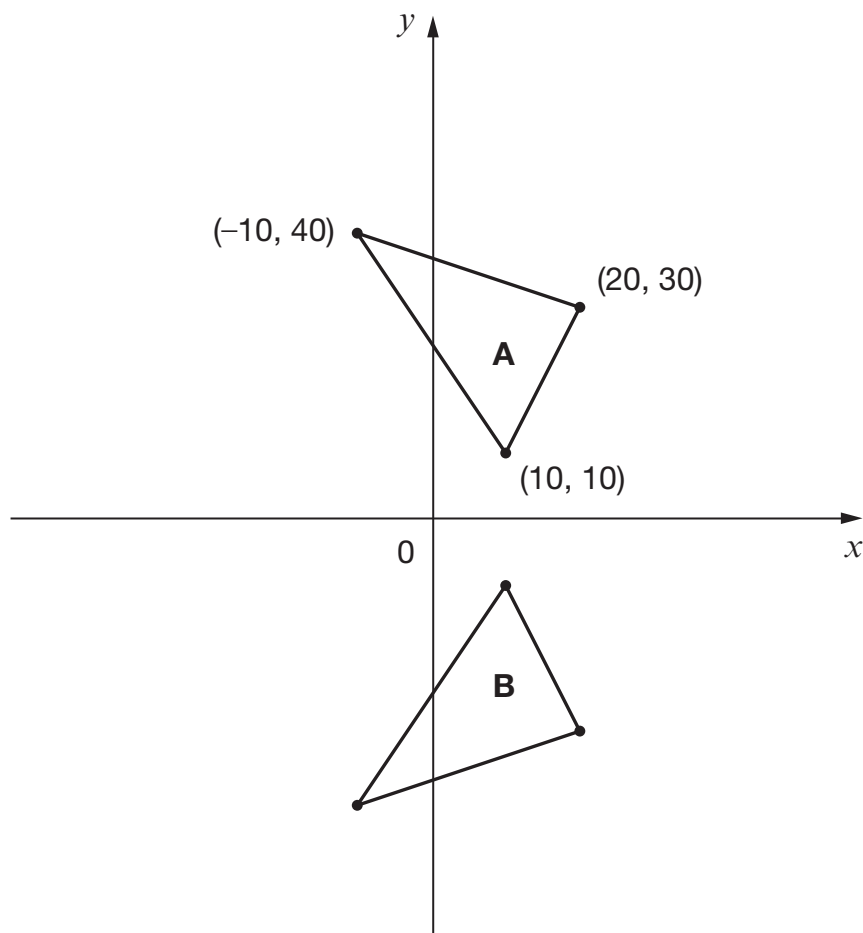
Calculate the total cost to make 20 jars full of jam.

Show
your
method

£

3 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 $(10, -10)$ and $(20, -30)$.

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

(,)

1 mark