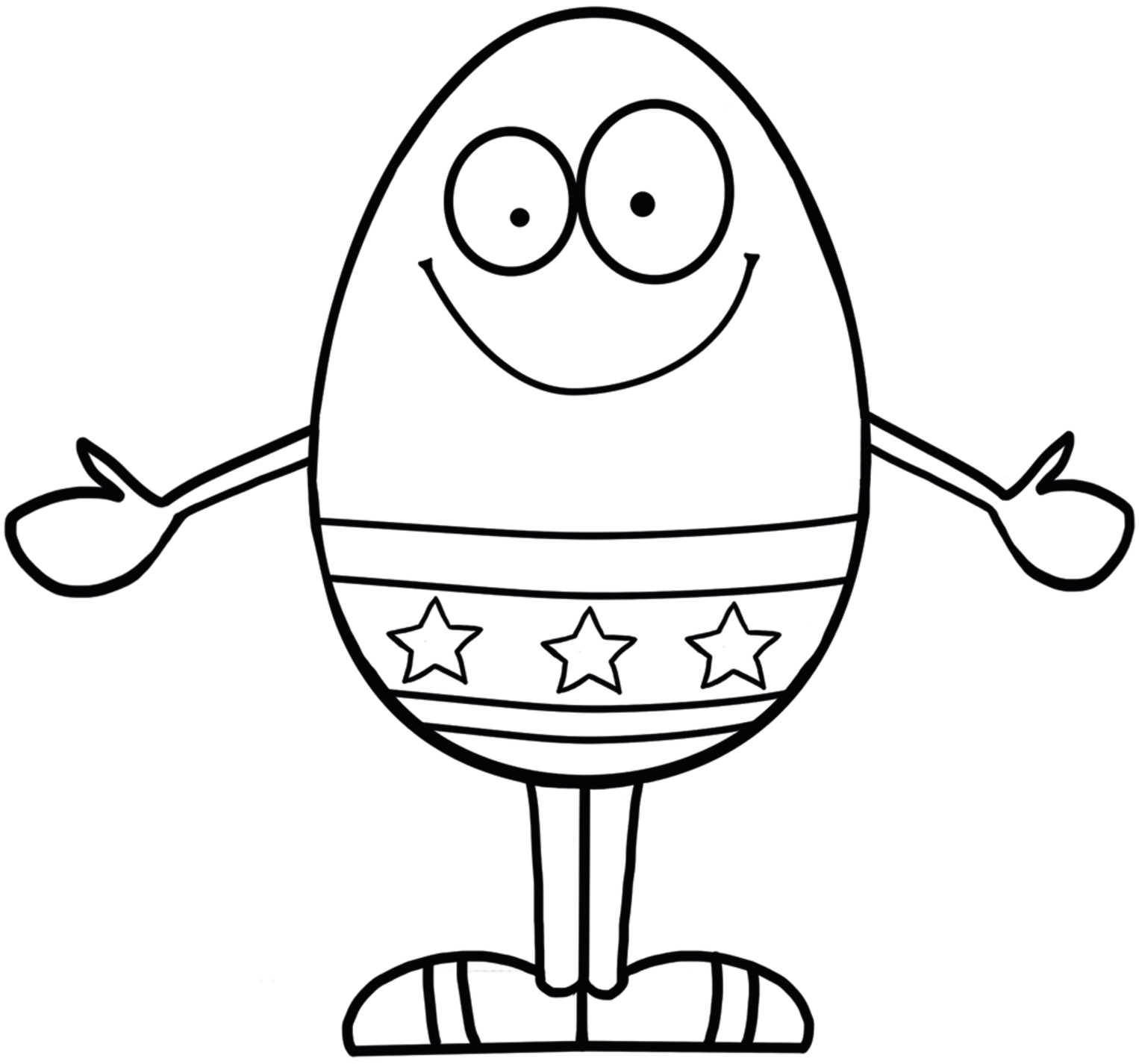
KS2 SAT Revision

Ten for Ten

Easter Practice Booklet

MATHEMATICS



EGG-CEEDING

Name: _____

Ten for Ten

Easter Practice Booklet
KS2 Mathematics

The SATs are just around the corner, but no need to panic! Just use this booklet to do your 10 minutes practice for 10 days during the Easter holiday and you'll be ready for action when you get back to school : D

Each day, after you've completed the arithmetic and the reasoning section, mark your work yourself using the answer pack or go through it with your parents. This is important so you know what you can do and what you still need to work on.

Good luck!

Day 1 - Arithmetic

1 3 x 6 x 0 x 8 =

1 mark

2 34,805 - 56.07 =

1 mark

3 108,000 ÷ 120 =

1 mark

4 30% x 2,300 =

1 mark

5 1 3 | 2 0 5 4

Show your method

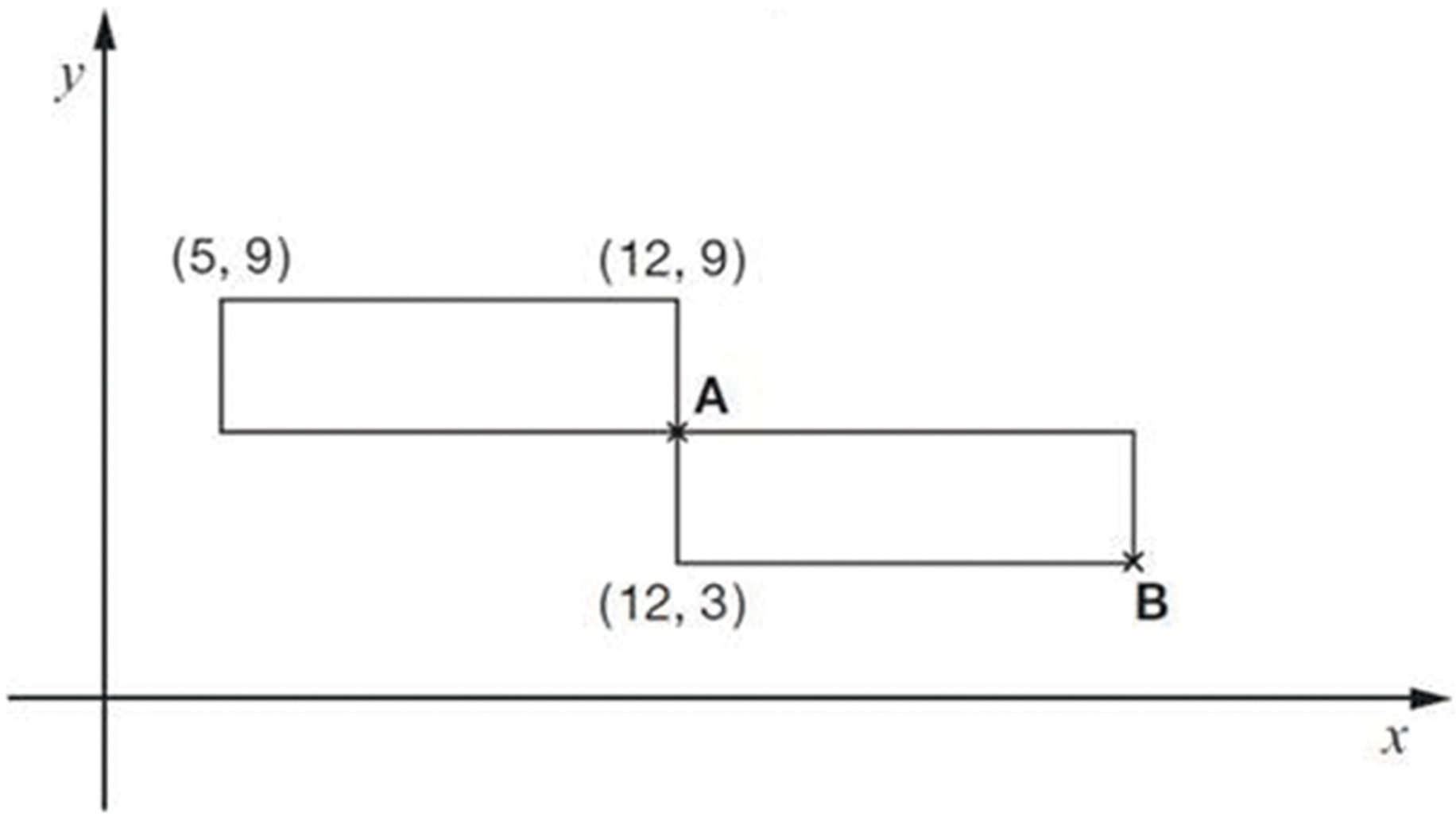
2 marks

6 80,000 - 1,600 =

1 mark

Day 1 - Reasoning

1 This diagram shows two **identical** rectangles on coordinate axes.



Write the **coordinates** of point **A** and point **B**.

A is (,)

B is (,)

2 n stands for a whole number.

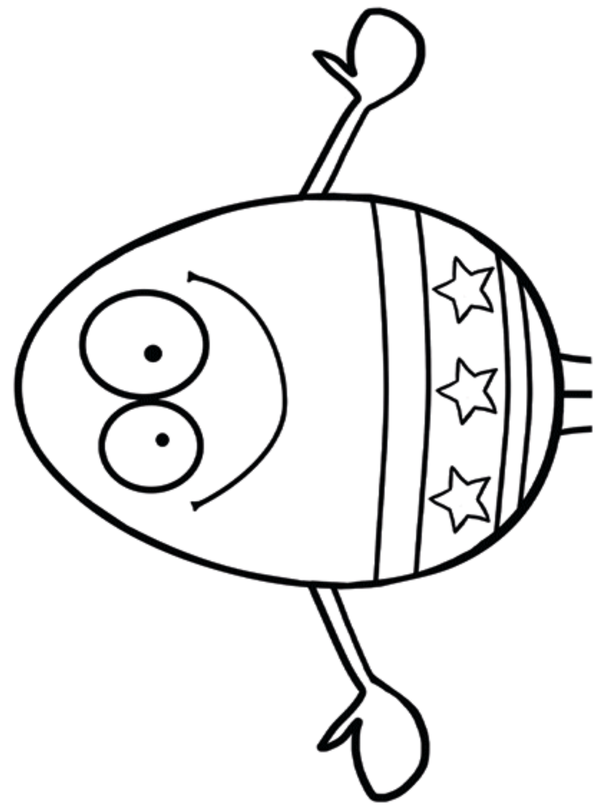
$2n$ is greater than 30
$5n$ is less than 100

Write **all** the numbers that n stands for.

_____

3 Write the missing fraction.

$$\frac{1}{3} + \frac{1}{4} + \square = 1$$

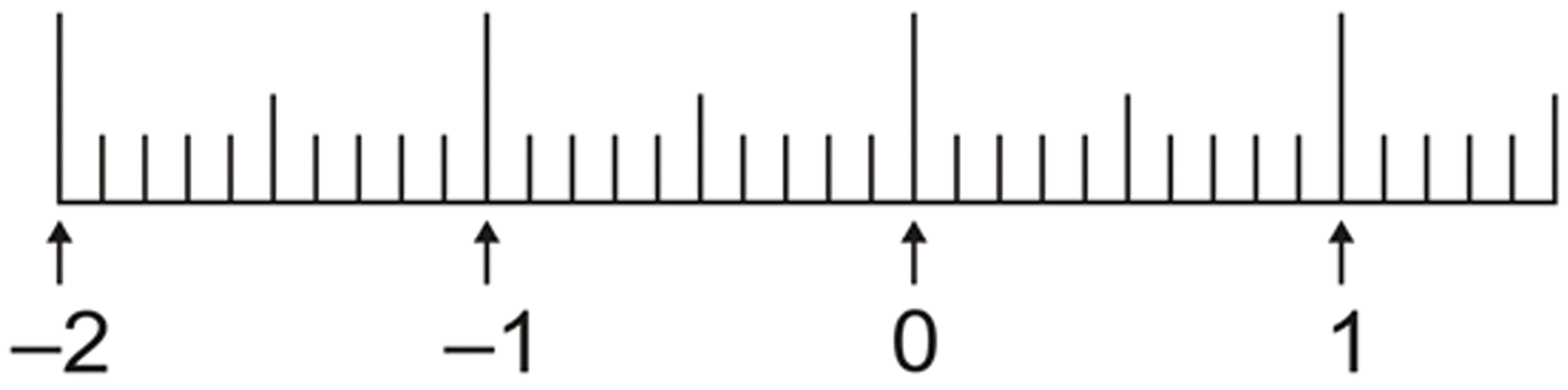


4 What is 10% of a half?

What percentage of 20 is 19?

%

5 Mark with arrows the points **–1.5** and **0.45** on the number line.



Day 2 - Arithmetic

1 50% of $\frac{1}{3}$ =

1 mark

2 40,000 x 500 =

1 mark

3 ☐ = 1 - 0.089

1 mark

4 $\frac{3}{6} + \frac{1}{6} =$

1 mark

5 85% of 480 =

1 mark

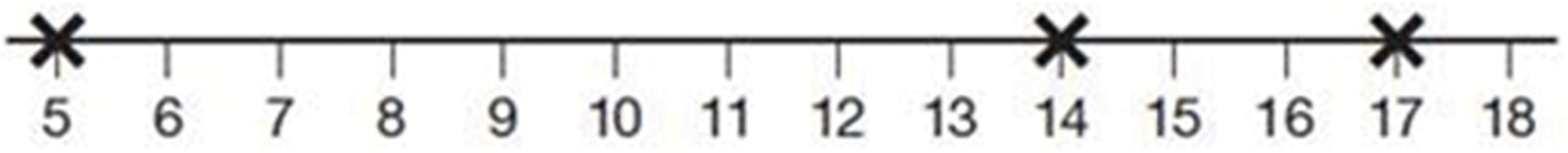
6 7,609 x 44 =

1 mark

Day 2 - Reasoning

1 The arrow below points to the **mean** of the three numbers shown by crosses.

(a) Draw an arrow that points to the mean of the three numbers shown below.



(b) The arrow below points to the mean of three numbers.

One of the numbers is missing.

Draw a cross to show the position of the missing number.

2 Jack has two **square-based pyramids** that are the same size.

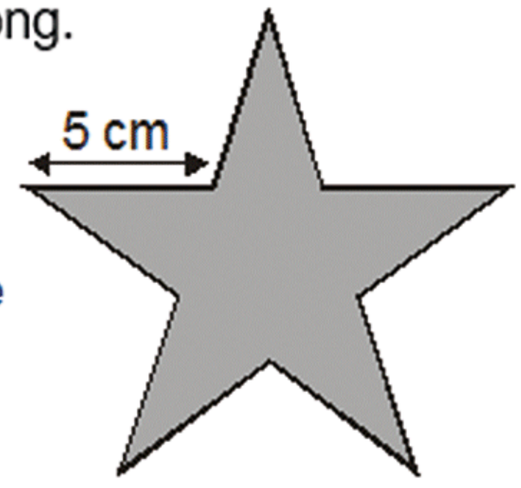
He sticks the square faces together to make a new 3-D shape.

How many **faces** and how many **edges** does his new 3-D shape have?

	faces	and		**edges**

3 Millie has some star-shaped tiles.

Each edge of a tile is 5 centimetres long.



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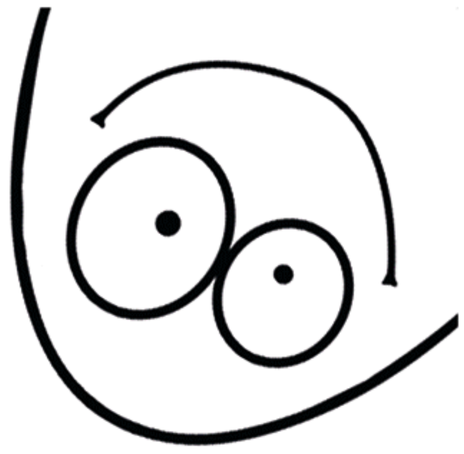


She puts two tiles together to make this shape.

Work out the perimeter of Millie's shape.

cm

4 This is Kirsty's recipe for breakfast cereal.

50 grams of oats

30 grams of raisins

40 grams of nuts

If she uses 125 grams of oats, how many grams of raisins does she need?

Show your method

g

Day 3 - Arithmetic

1 $\frac{3}{5} \times \frac{5}{3} =$

1 mark

2 209 x 777 =

1 mark

3 8,648 + 7,947 =

1 mark

4 9,924 ÷ 6 =

1 mark

5 $9 \times 3\frac{1}{4}$

1 mark

6 $\frac{6}{4} \times 130 =$

1 mark

Day 3 - Reasoning

1 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

£

2 Write the missing number.

$$12.5 \div \square = 7.5 \div 1.5$$

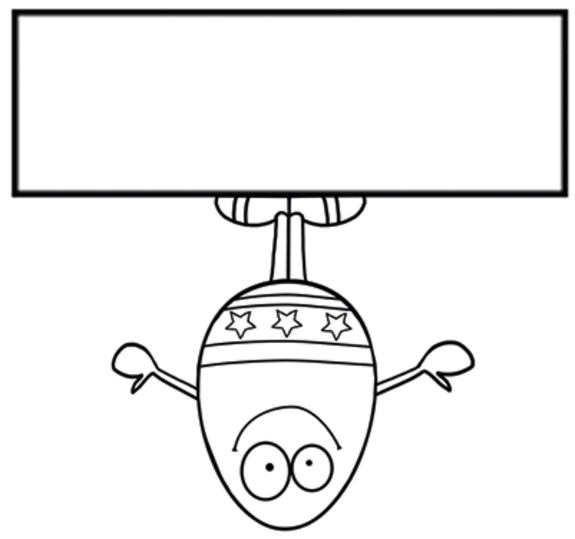
3 $n = 22$

What is $2n + 9$?

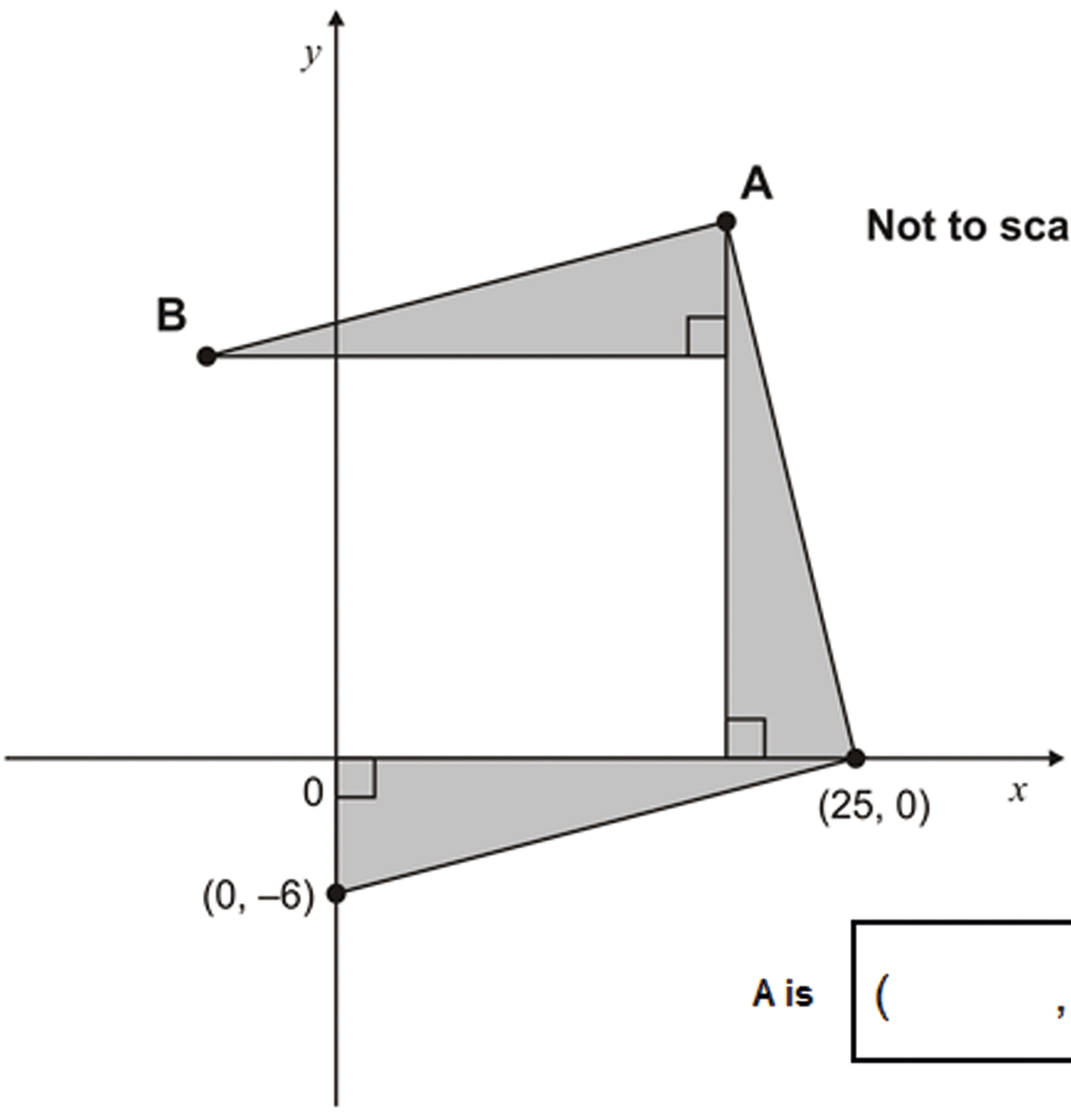
$2q + 4 = 100$

Work out the value of q.

$q =$ ☐



4 The diagram shows three **identical** shaded triangles on coordinate axes.



A is (,)

B is (,)

What are the coordinates of **A** and **B**?

Day 4 - Arithmetic

1 $\frac{10}{3} \div \frac{1}{3} =$

1 mark

2 $\frac{4}{5} - 0.65 =$

1 mark

3 $12 - 7.06 =$

1 mark

4 24 x 24 =

1 mark

5 $1\frac{1}{5} + 1\frac{1}{6} =$

1 mark

6 2 x 3 x 4 x 5 =

1 mark

Day 4 - Reasoning

1 (a) Write numbers in the boxes to make this fraction calculation correct.

$$\frac{1}{\square} + \frac{\square}{5} = \frac{7}{10}$$

(b) Now write two **different** numbers to make the calculation correct.

$$\frac{1}{\square} + \frac{\square}{5} = \frac{7}{10}$$

2 Lara chooses a number less than 20

She divides it by 2 and then adds 6

She then divides this result by 3

Her answer is 4.5

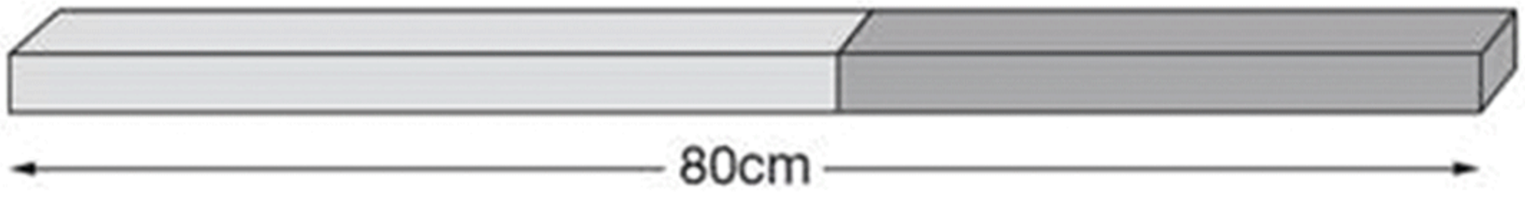
What was the number she started with?

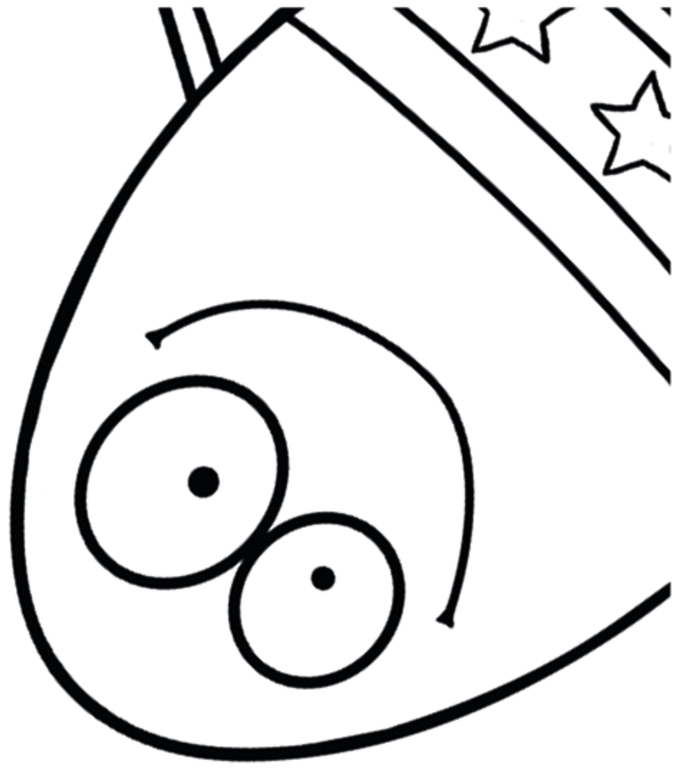
Show your method

3 Alfie has two sticks.

He puts them end to end.

Not actual size





One stick is **10cm longer** than the other stick.

How long are the two sticks?

Show your method

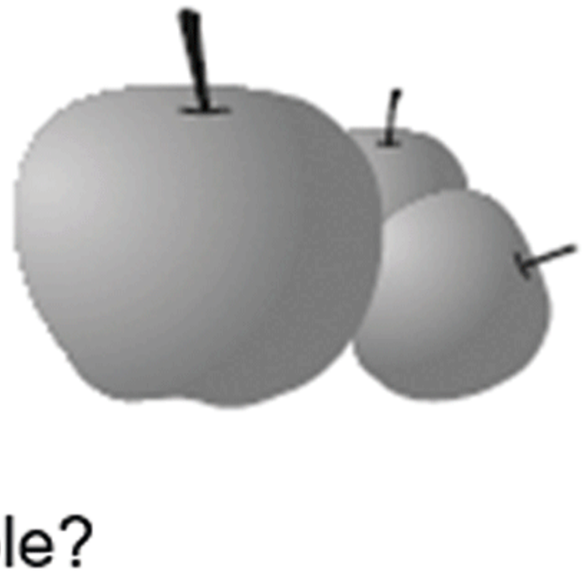
cm

cm

4 Three apples have a **mean** (average) mass of 100 grams.

The largest apple is removed.

The **mean** mass of the remaining two apples is 70 grams.



What is the mass of the largest apple?

Day 5 - Arithmetic

1 $5 \times 5 \times 5 \times 5 =$

1 mark

2 $\frac{20}{7} + \frac{30}{9} =$

1 mark

3 $43.1 - 8.89 =$

1 mark

4 $\frac{2}{3}$ of 270 =

1 mark

5 308,578 - 19,089 =

1 mark

6 $\frac{2}{3} \div 3 =$

1 mark

Day 5 - Reasoning

1 Write the missing number.

$$70 \div \square = 3.5$$

2 This sequence of numbers **goes up by 40** each time.

40 80 120 160 200 ...

This sequence continues.

Will the number **2140** be in the sequence?

Circle Yes or No.

Yes / No

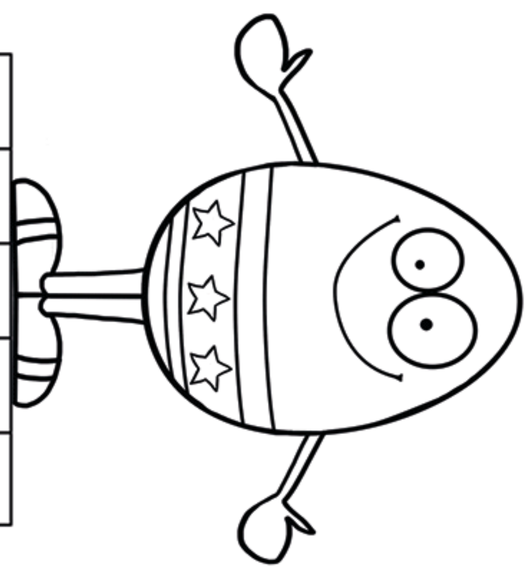
Explain how you know.

.....

.....

3 Here is part of the bus timetable from Riverdale to Mott Haven.

Riverdale	10:02	10:12	10:31	10:48
Kingsbridge	10:11	10:21	10:38	10:55
Fordham	10:28	10:38	10:54	11:11
Tremont	10:36	10:44	11:00	11:17
Mott Haven	10:53	11:01	11:17	11:34



How many minutes does it take the 10:31 bus from Riverdale to reach Mott Haven?

minutes

Mr Evans is at Fordham at 10:30

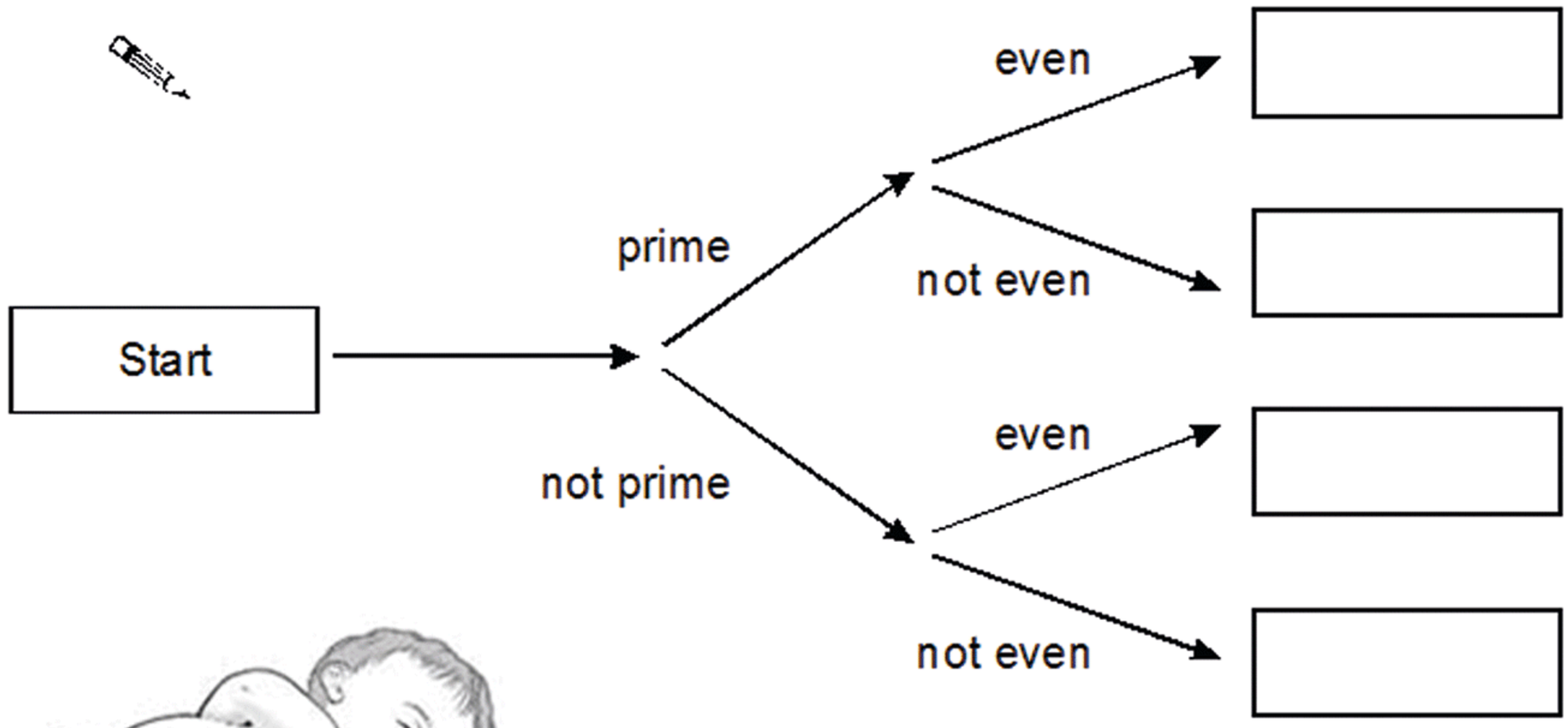
What is the **earliest** time he can reach Tremont on the bus?

4 Here is a diagram for sorting numbers.

Write these three numbers in the correct boxes.

You may not need to use all of the boxes.

9 **17** **20**



5

How many **days** old will the baby be when she has lived for **one million seconds**?

Show your method

days

Day 6 - Arithmetic

1 $0.69 \div 2 =$

1 mark

2 $3^3 + 4^3 + 5^3 =$

1 mark

3 $\square = \frac{4}{6} + \frac{2}{6}$

1 mark

4 261,967 - 53,782 =

1 mark

5 3,036 ÷ 11 =

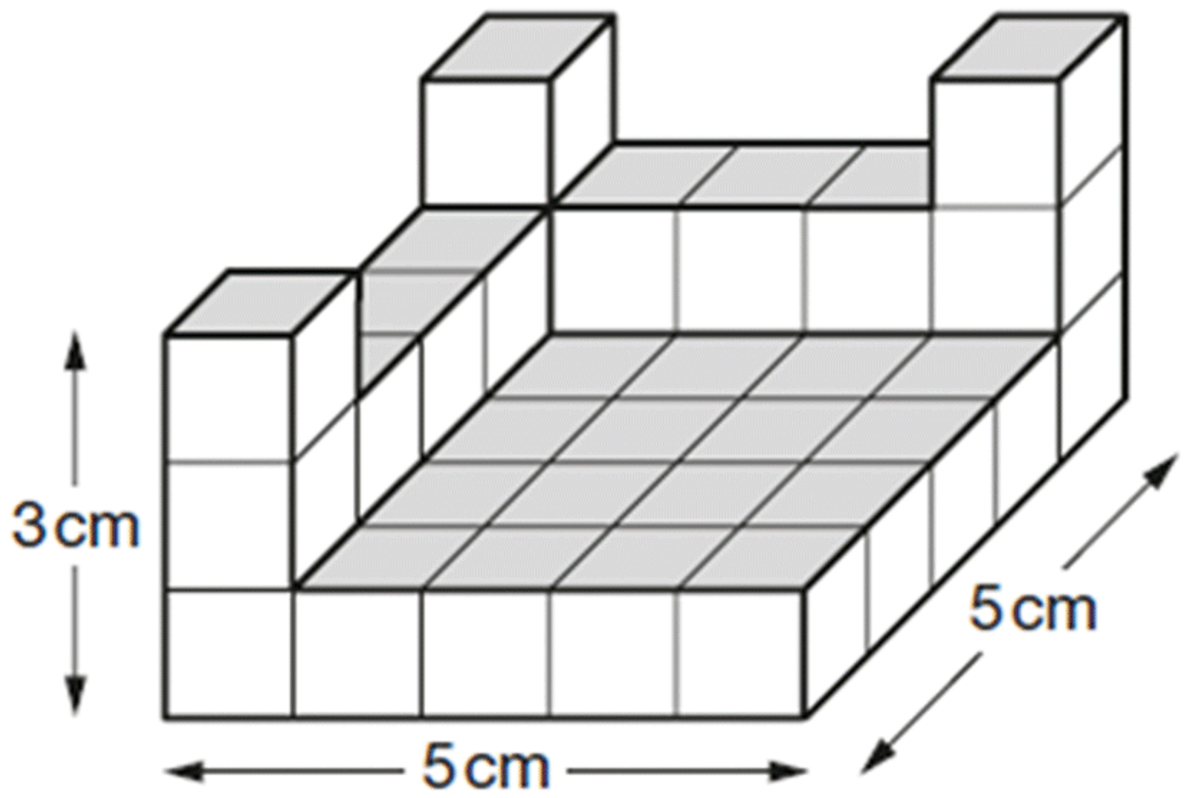
1 mark

6 $\frac{1}{5} \times \frac{1}{6} =$

1 mark

Day 6 - Reasoning

1 This shape is made of wooden centimetre cubes.



Not actual size

How many **more** centimetre cubes are needed to make it into a solid cuboid 3 cm tall, 5 cm long and 5 cm wide?

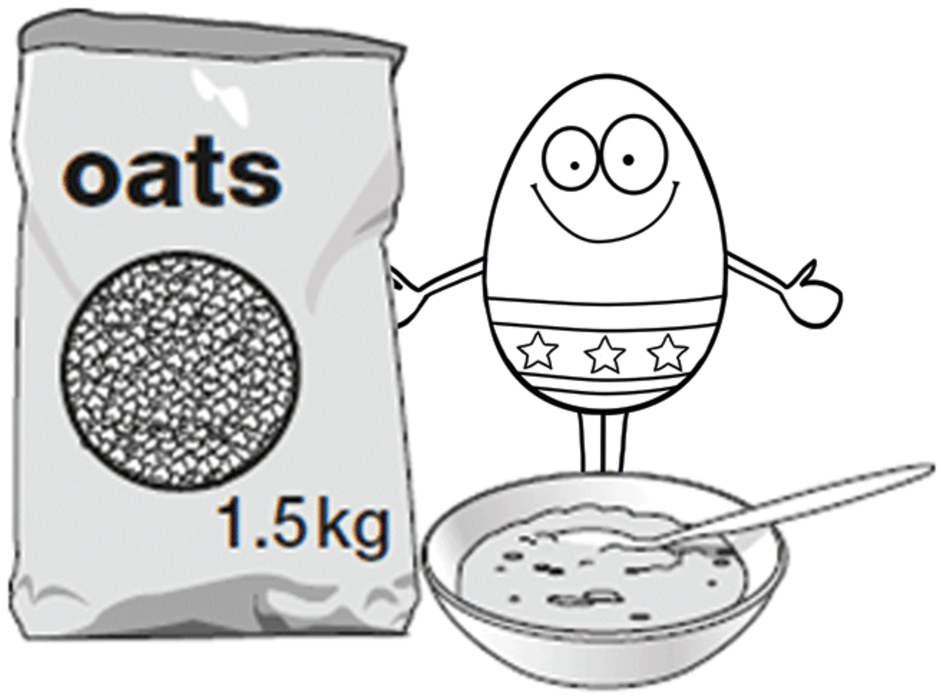
2 On Saturday Lara read $\frac{2}{5}$ of her book.

On Sunday she read the **other** 90 pages to finish the book.

How many pages are there in Lara's book?

Show your method

3 A packet contains 1.5 kg of oats.



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

How many days does the packet of oats last?

Show your method

days

4 Leila knows that

65 × 3 = 195

Explain how she can **use this information** to find the answer to this multiplication:

165 × 3

.....

.....

.....

Day 7 - Arithmetic

1 (35 x 9) + (15 x 9) =

1 mark

2 9,000,800 - 7,999,990 =

1 mark

3

$$\begin{array}{r} 7609 \\ \times\ \ 44 \\ \hline \end{array}$$

Show your method

2 marks

4 28 - 5 x 3 =

1 mark

5 35% x 440 =

1 mark

6 4 3 | 1 6 2 9 7

Show your method

2 marks

Day 7 - Reasoning

1 The area of a rugby pitch is 6,108 square metres.

A football pitch measures 112 metres long and 82 metres wide.

How much larger is the area of the football pitch than the area of the rugby pitch?

Show your method

square metres

2 An isosceles triangle has a perimeter of 12cm.

One of its sides is 5cm.

What could the length of each of the other two sides be?

Two different answers are possible.

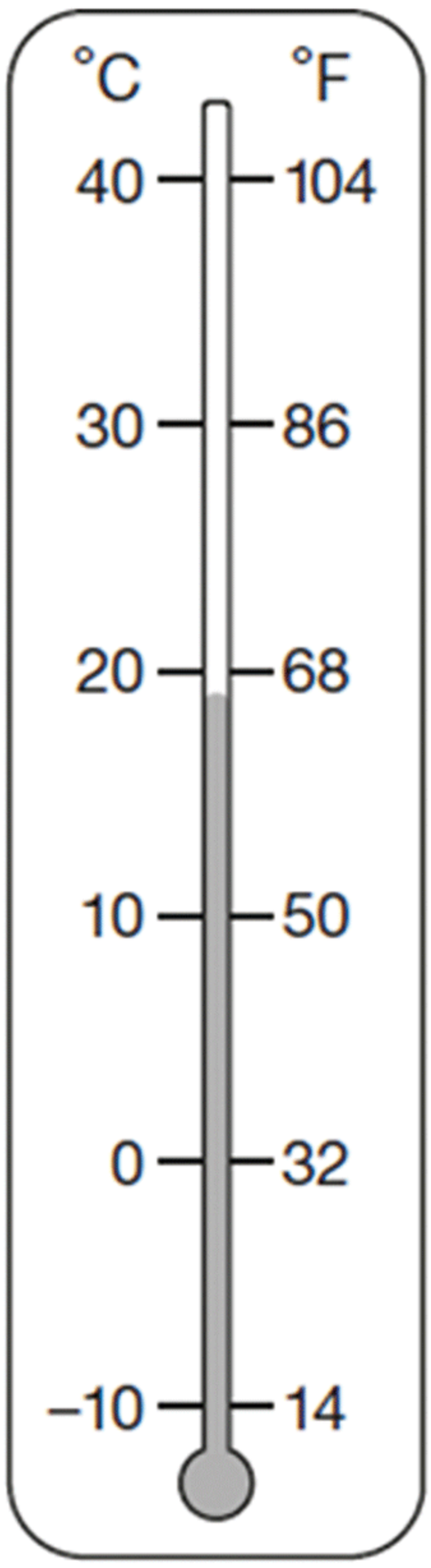
Give **both** answers.

cm and cm

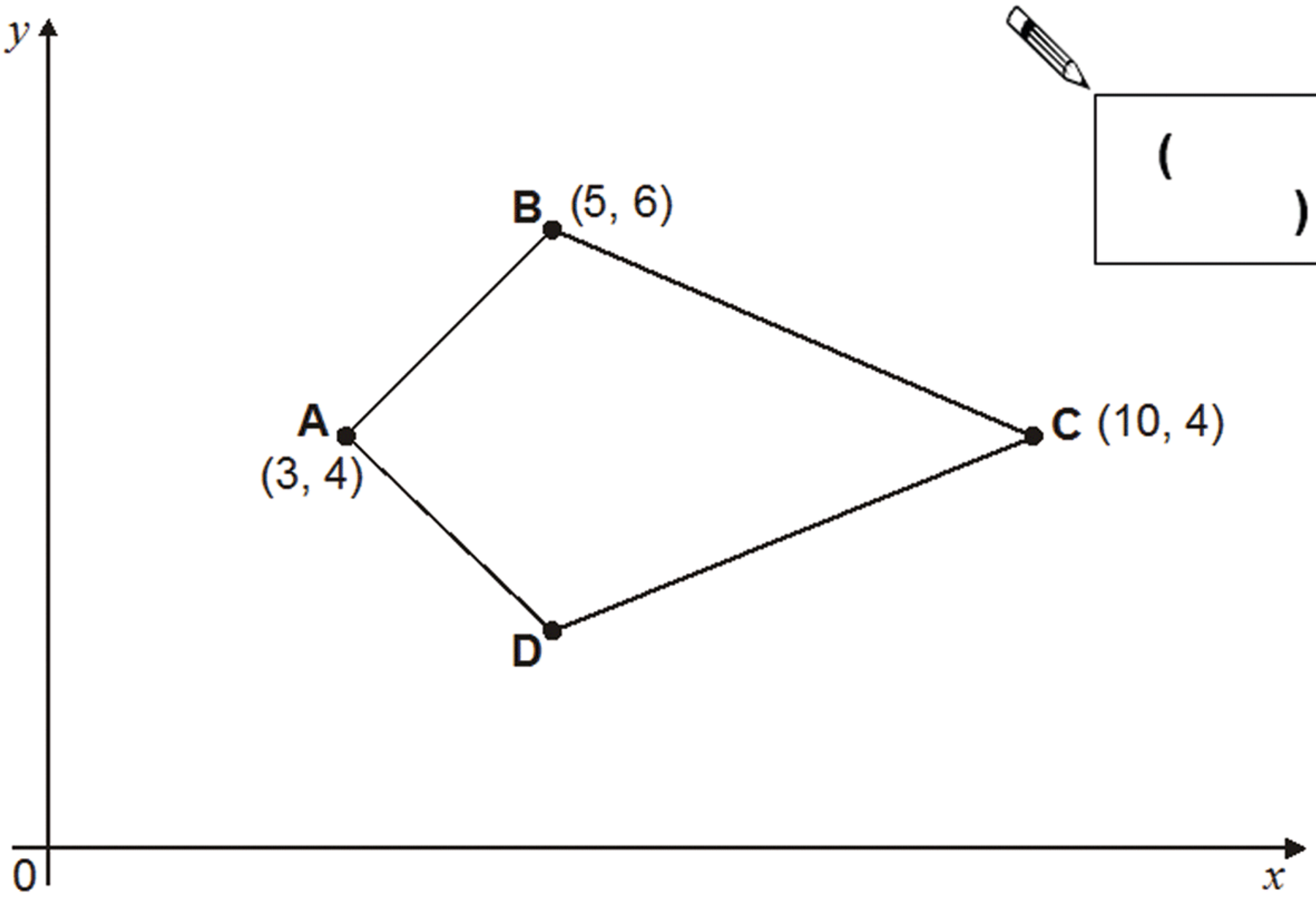
cm and cm

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

Work out what **25°C** is in °F.



4 Here is a kite.



(,)

Write the coordinates of point **D**.

Day 8 - Arithmetic

1 $0.077 \div 2 =$

1 mark

2 99% of 356 =

1 mark

3 3 1 | 7 3 7 8

Show your method

2 marks

4 $\frac{4}{5} + \frac{5}{15} =$

1 mark

5 $\frac{6}{7} \div 2 =$

1 mark

6 $2\frac{1}{2} + \frac{1}{3} =$

1 mark

Day 8 - Reasoning

1 The numbers in this sequence increase by 30 each time.

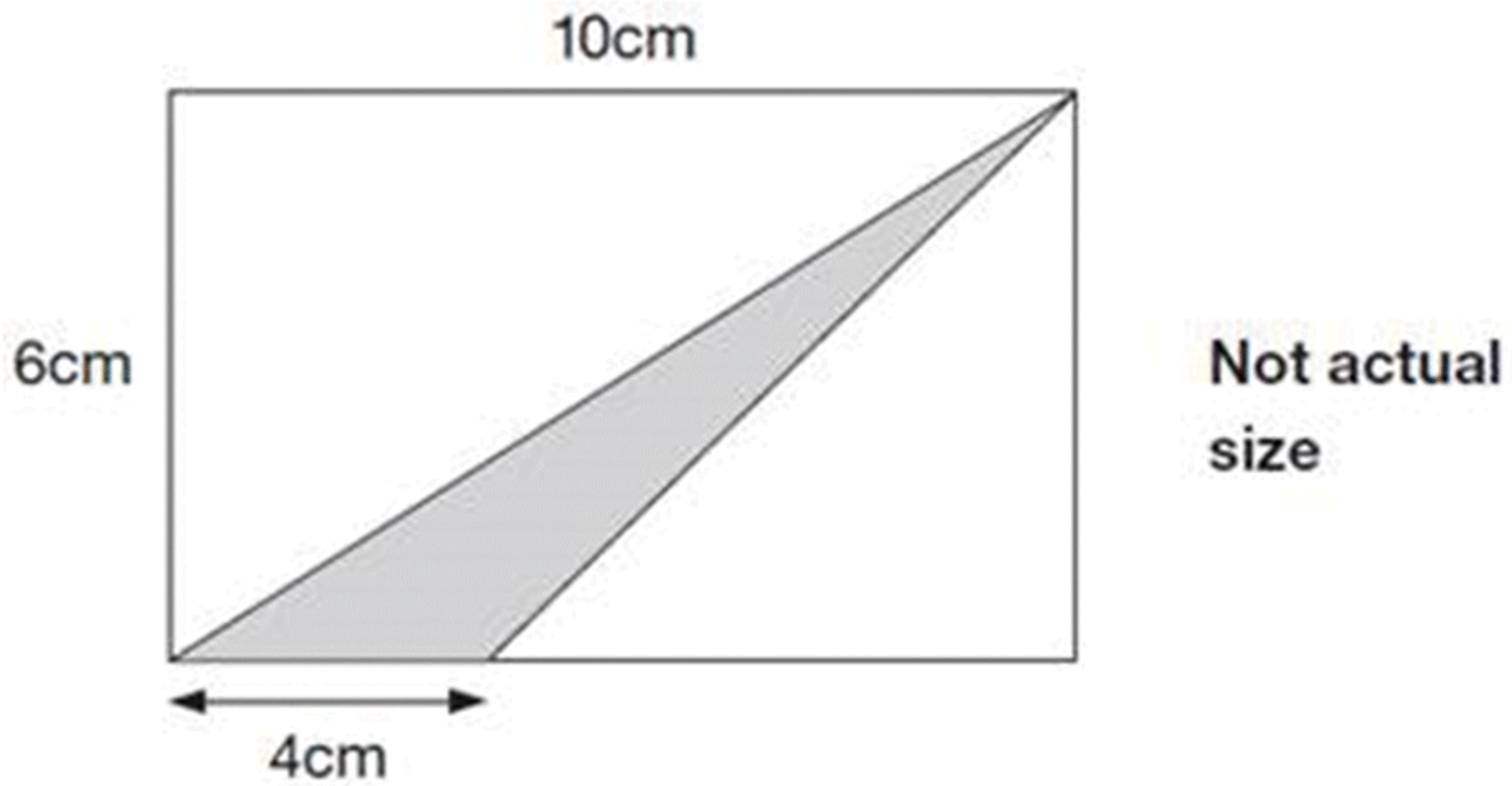
20 50 80 110 ...

The sequence continues in the same way.

Which number in the sequence will be **closest to 300**?

Show your method

2 The diagram shows a shaded triangle inside a rectangle.



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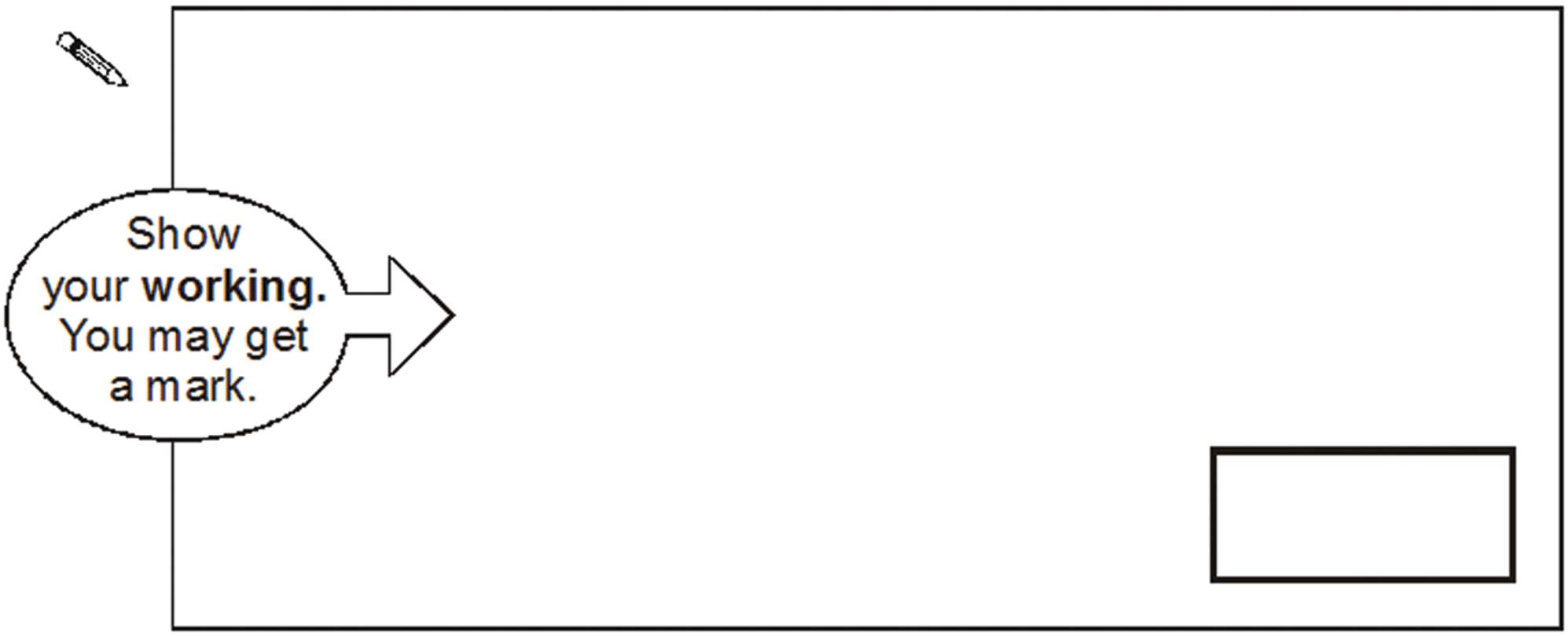
What is the area of the shaded triangle?

3 Liam thinks of a number.

He **multiplies the number by 5** and then **subtracts 60** from the result.

His answer equals the number he started with.

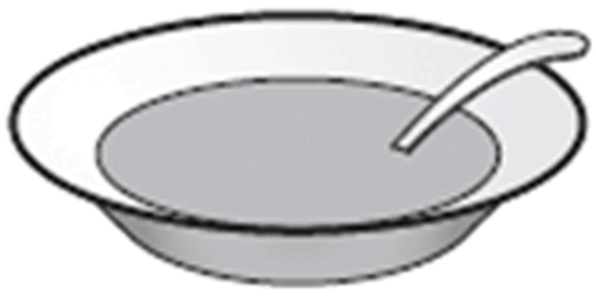
What was the number Liam started with?



4 Alfie did a survey to find which soup was most popular.

The choices were:

- tomato
- chicken
- mushroom



A quarter of the children chose chicken soup.

Four times as many children chose tomato soup as chose mushroom soup.

Alfie makes a pie chart to show this information.

What **angle** should he use for the children who chose tomato soup?

Day 9 - Arithmetic

1 345 x 5 x 4 =

1 mark

2 3 - 7 x 9 =

1 mark

3 ☐ = 1,320 ÷ 11

1 mark

4 90% of 2,000 =

1 mark

5 3 2 | 5 7 9 2

Show your method

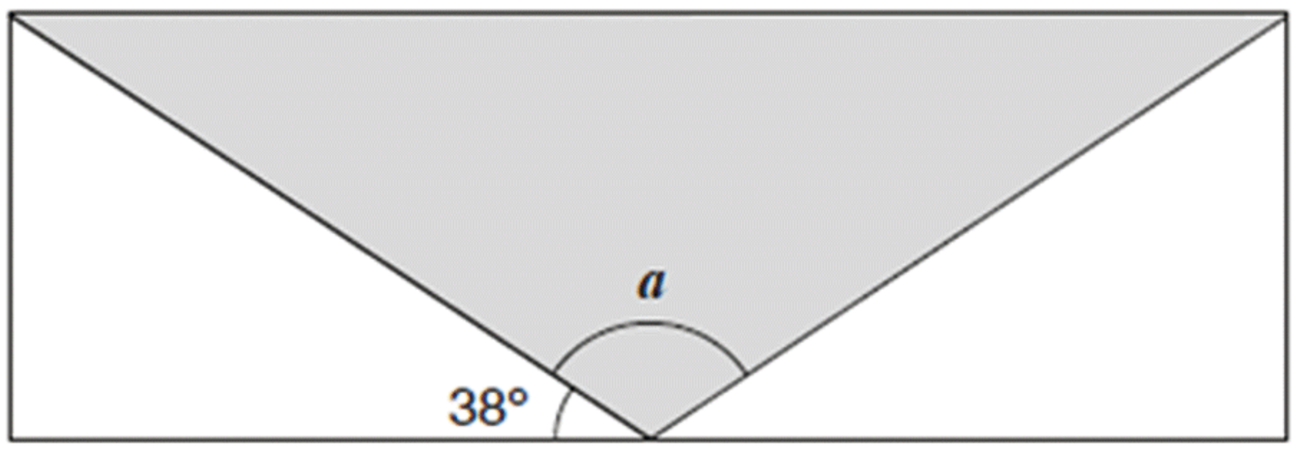
2 marks

6 $\frac{3}{4} + \frac{3}{12} =$

1 mark

Day 9 - Reasoning

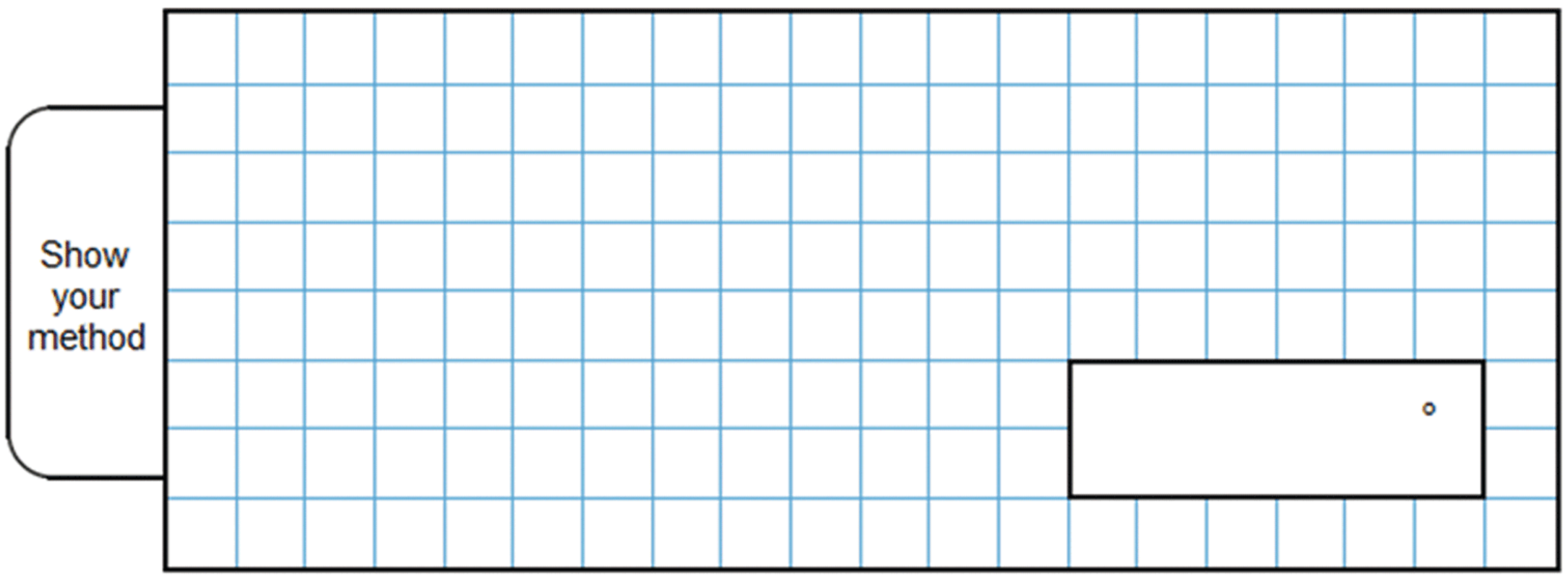
1 A shaded **isosceles** triangle is drawn inside a rectangle.



Not to scale

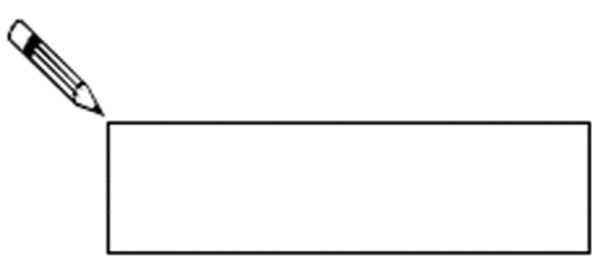
Calculate the size of angle a.

Show your method

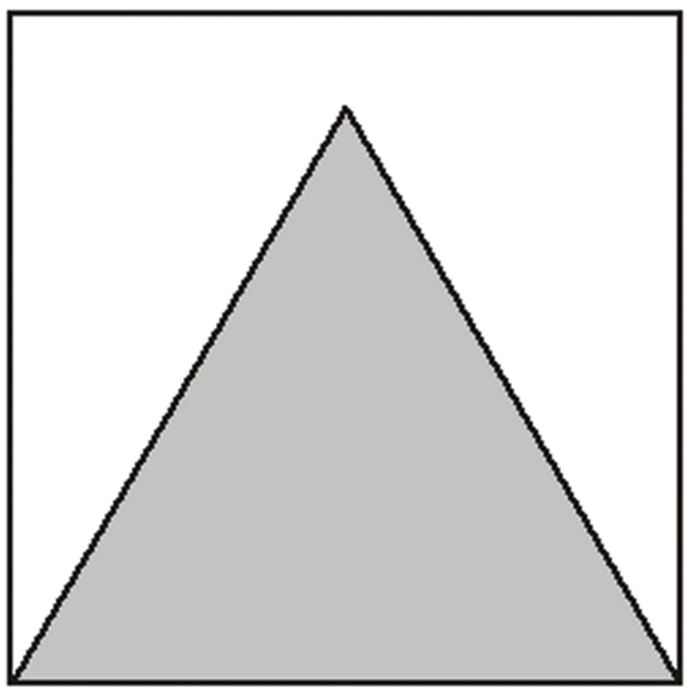


2 Three-quarters of a number is **48**

What is the number?



3 Here is an equilateral triangle inside a square.



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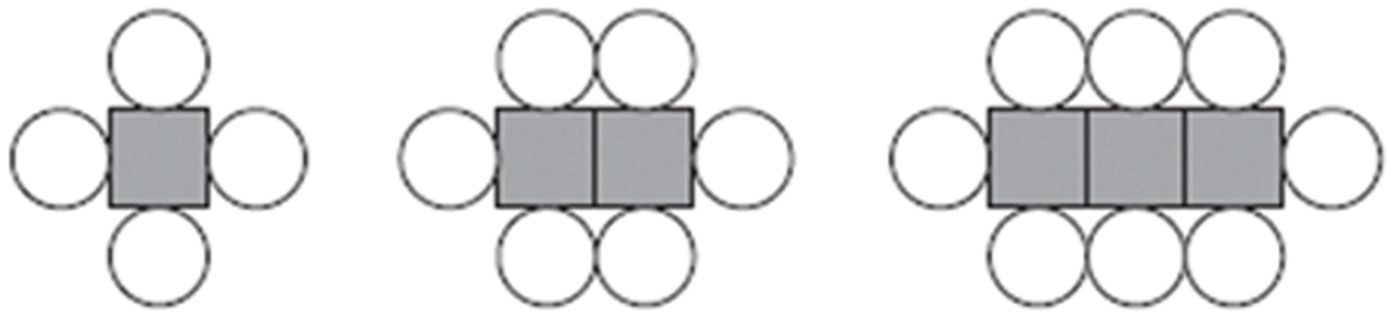
The perimeter of the triangle is 48 centimetres.

What is the perimeter of the **square**?

4 Here is a sequence of shapes.

Each time a square is added to a shape,
two more circles are added.

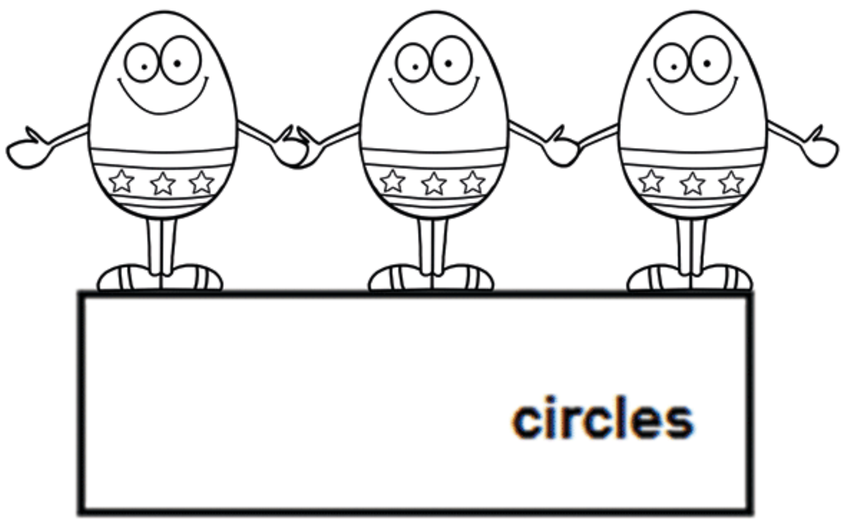


number of squares, ***s***	1	2	3
number of circles, ***c***	4	6	8

The sequence of shapes continues.

The formula for the sequence is $c = 2s + 2$

Calculate the number of circles when the
number of squares in a shape is **150**.



How many squares are there in a shape that has **100** circles?

Day 10 - Arithmetic

1 -19 + 3,078 =

1 mark

2 3 x 72 + 7 x 72 =

1 mark

3 1.45 x 7

1 mark

4 $\frac{4}{6} - \frac{1}{73} =$

1 mark

5 2,598 x 75 =

1 mark

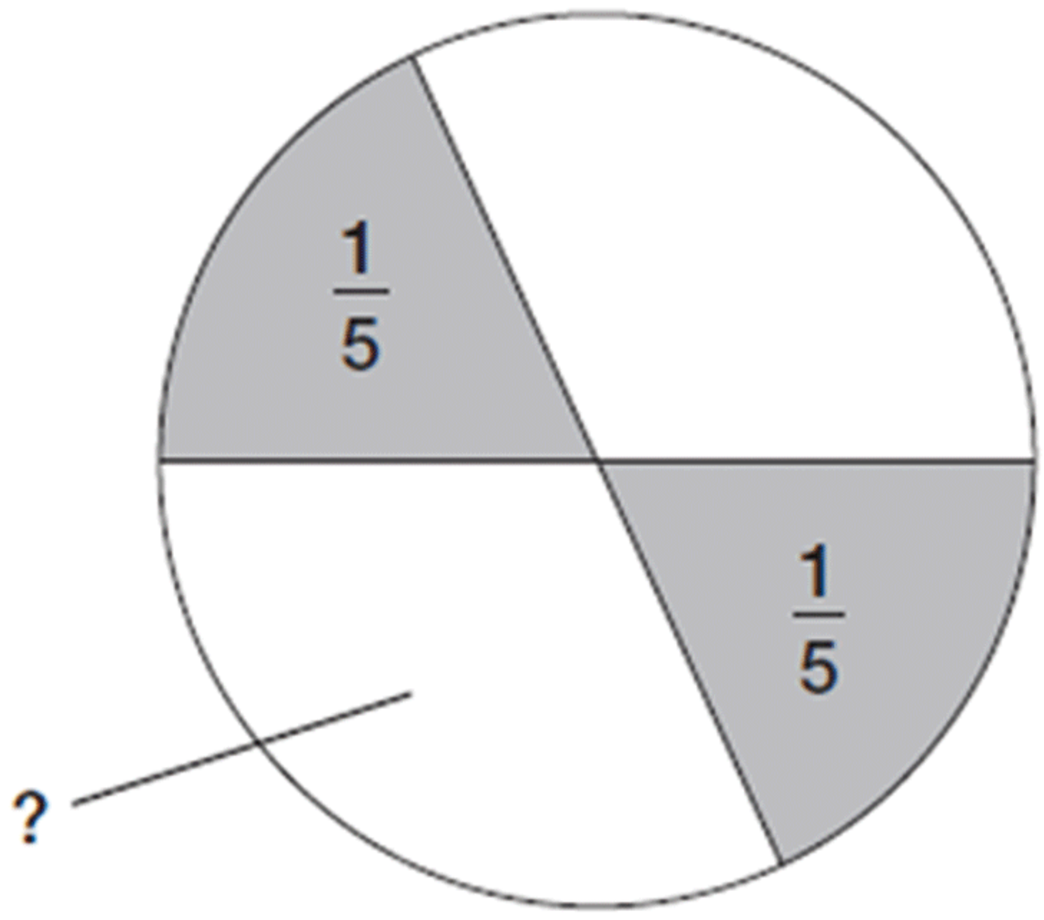
6 20.1 ÷ 1000 =

1 mark

Day 10 - Reasoning

1 In this circle, each shaded part is $\frac{1}{5}$ of the area of the circle.

The two white parts have equal areas.



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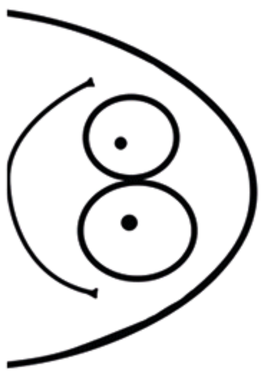


What fraction of the circle is **one** of the white areas?

2 Write in the missing number.

50 ÷ ☐ = 2.5

3 20% of the children in a sports club play tennis.

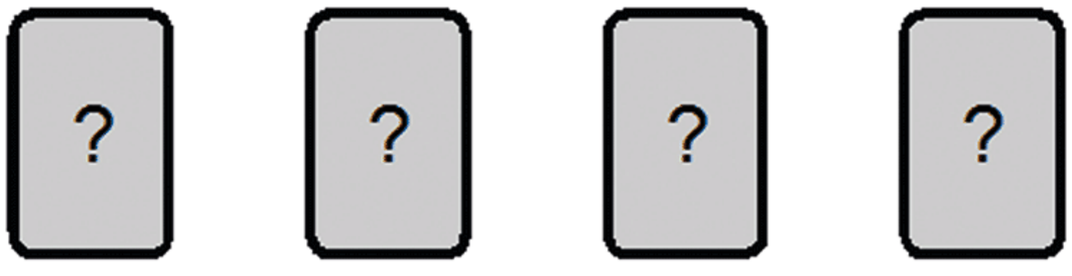
25% of the children who play tennis **also** play rounders.

There are 8 children in the club who play **both** tennis and rounders.

How many children are there in the sports club **altogether**?

4 Debbie has a pack of cards numbered from 1 to 20

She picks four different number cards.



Exactly three of the four numbers are multiples of 5

Exactly three of the four numbers are even numbers.

All four of the numbers add up to less than 40

Write what the numbers could be.