testbase

Year 4 Mid-year Reasoning

Name	
Class	
Date	

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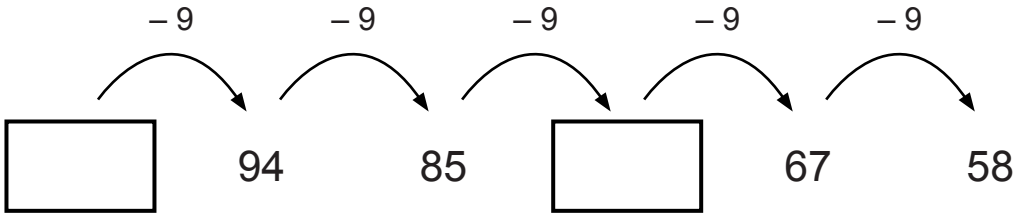
1. Write the two missing numbers in this sequence.



1 mark

2. Write the number that is exactly 100 more than 908

1 mark

3. Write the missing number in the sequence.

–14	–10	–6		2

1 mark

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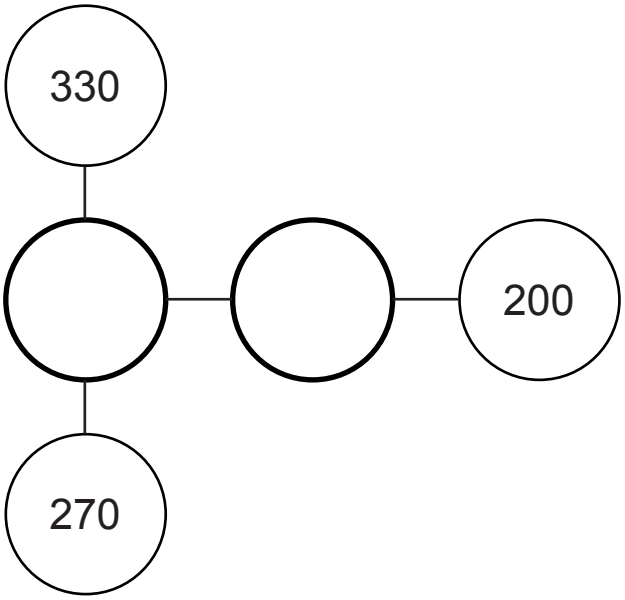
4. The three numbers in **each line add up to 750**

Write in the missing numbers.



1 mark

5. Look at this number.

46

Write the number as a Roman numeral.

1 mark

Look at this Roman numeral.

LXII

Write the Roman numeral as a number.

1 mark

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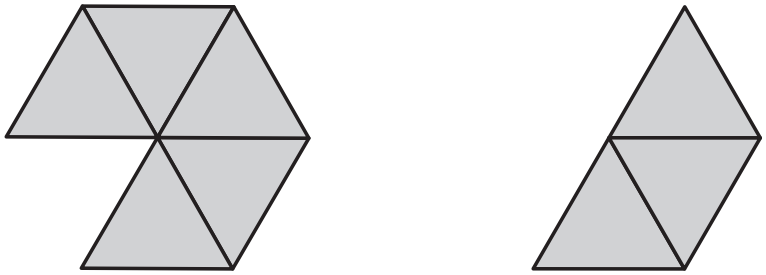
6. These two shapes are made from equilateral triangles.

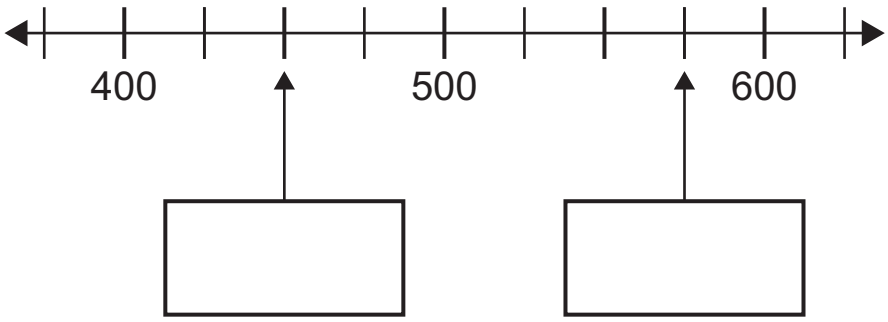
Draw one line of symmetry on each shape.

Use a ruler.



1 mark

7. Write the missing numbers in the boxes.



1 mark

1 mark

8. Jason is given £4 each month from his gran.

How much money does he collect in a year?

£

1 mark

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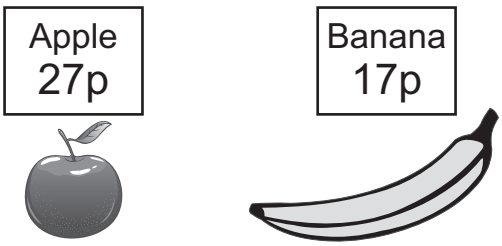
9.



Mia buys **four** apples and **six** bananas.

How much does she spend altogether?

Show your method

£

2 marks

10. A bike costs more than £1,700 but less than £2,100

Tick (✓) **all** the prices that the bike could cost.

£1,669 ☐

£2,080 ☐

£2,120 ☐

£1,998 ☐

1 mark

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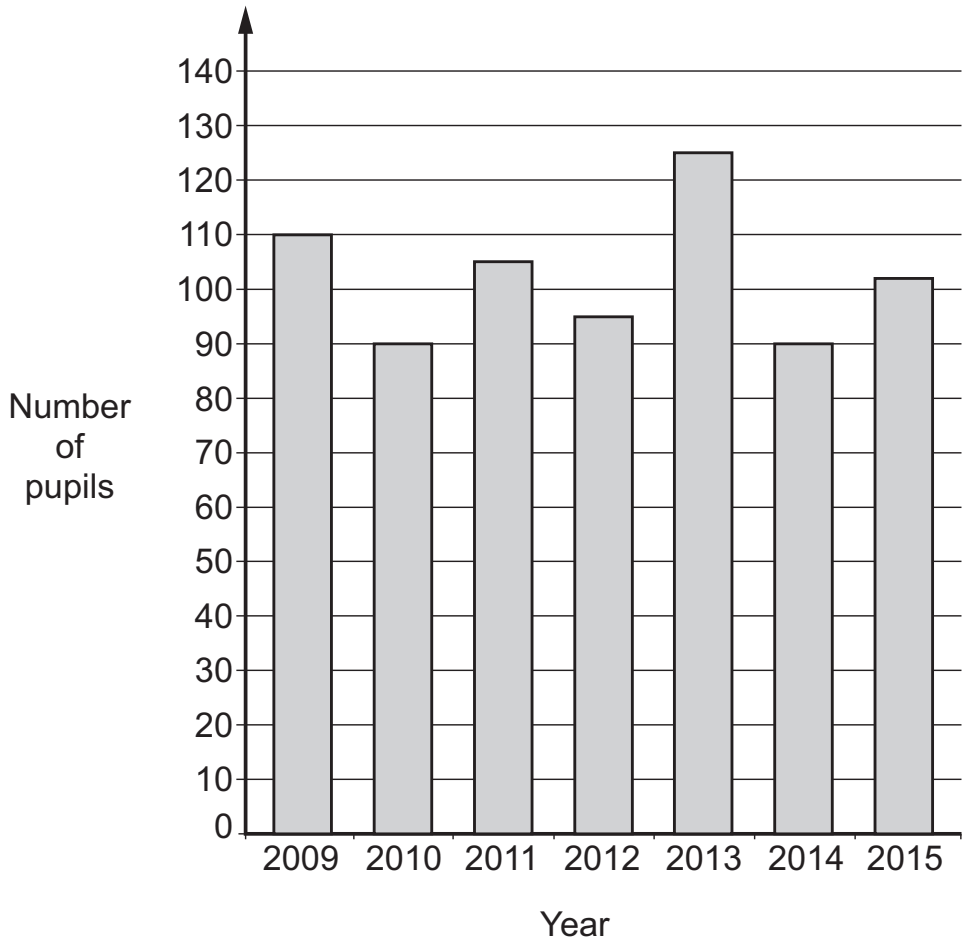
11. The graph shows the number of pupils at Park School in September from 2009 to 2015.



In how many years were there fewer than 100 pupils?

1 mark

How many **more** pupils were there in 2013 than 2014?

1 mark

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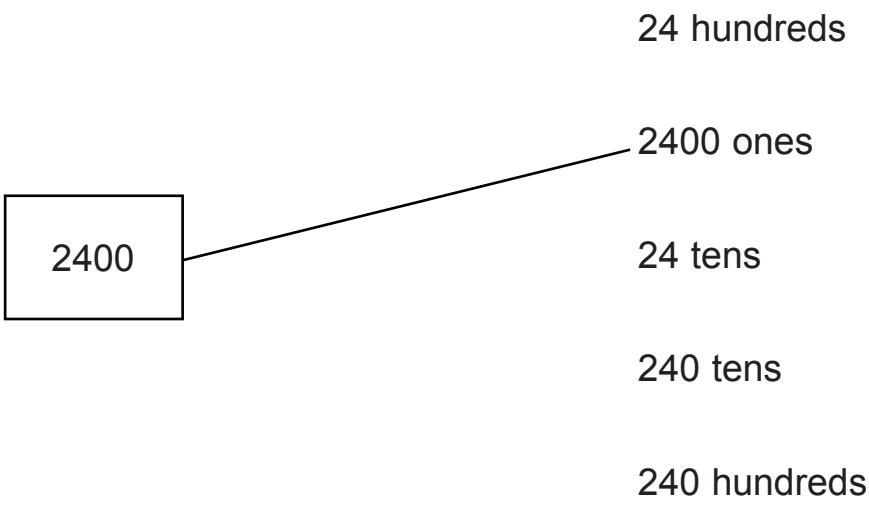
12. What is the **remainder** when you divide 47 by 8?

remainder

1 mark

13. Draw **two more** lines to match 2400 to numbers with the same value.



1 mark

14. Write these decimals in order of size, starting with the **smallest**.

3.4 3.1 13.8 0.6 2.2

smallest

1 mark

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15. A box has 70 chocolates in it.

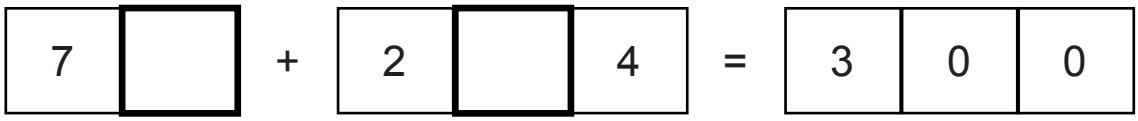
20 children each take 3 chocolates.

How many chocolates are left in the box?

chocolates

1 mark

16. Write the missing digits.



1 mark

17. Jason jumped **1.15 metres** on his **second** try at the high jump.

This was **25 centimetres** higher than on his **first** try.

How high in **centimetres** did he jump on his **first** try?

cm

1 mark

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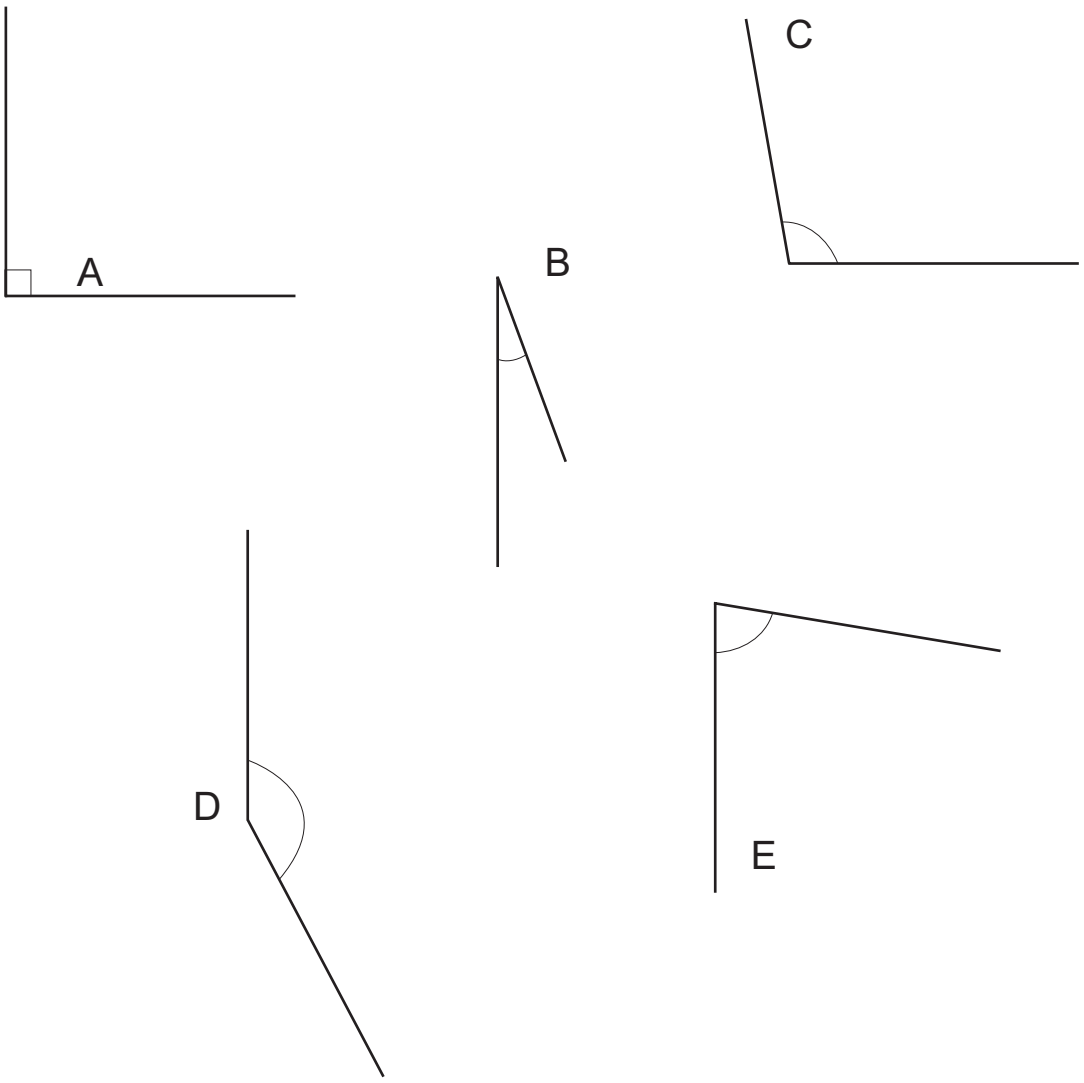
18. Here are some angles.



Put the angles in order of size, starting with the **smallest.**
Write the correct letters in the boxes.

One has been done for you.

		A		

smallest

1 mark

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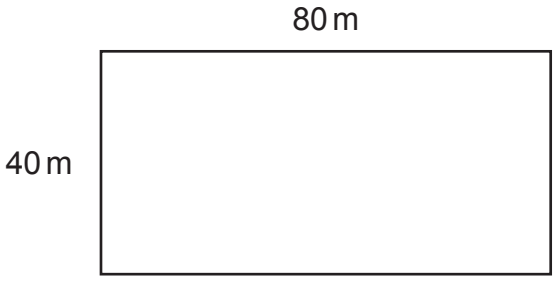
19. A playground measures 80 m by 40 m.



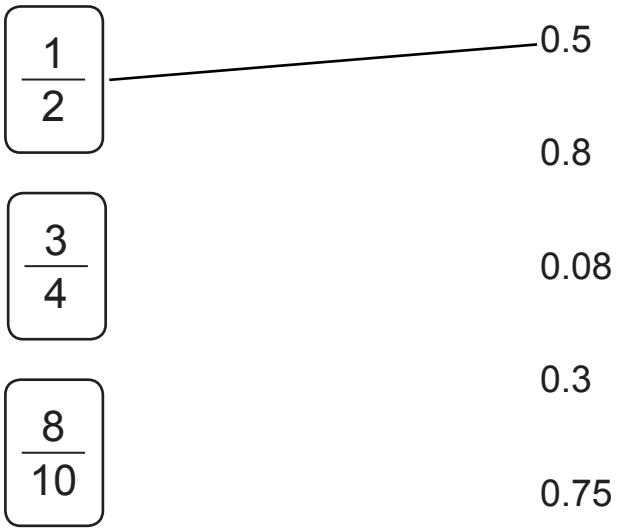
What is the **perimeter** of the playground?

m

1 mark

20. Match each box to the number which has the same value.

One has been done for you.



1 mark

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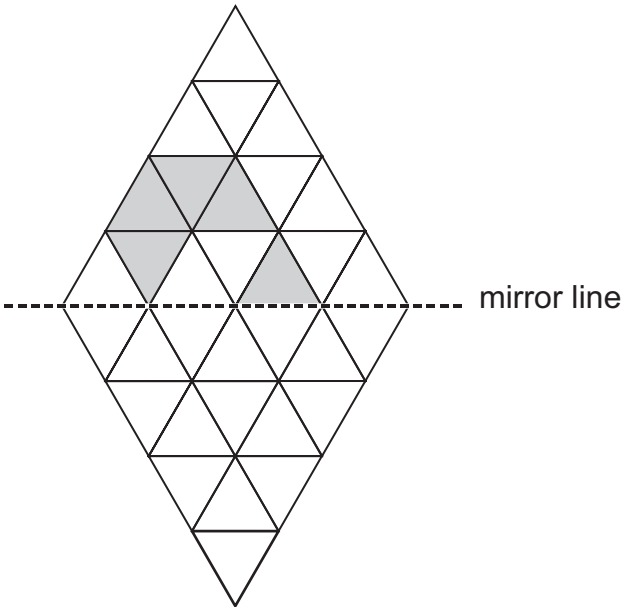
21. Shade in five triangles to complete the reflection of this pattern.



1 mark

22. It costs Mia £27.49 to buy **two** games.

One game costs £14.99

How much does the other game cost?

£

1 mark

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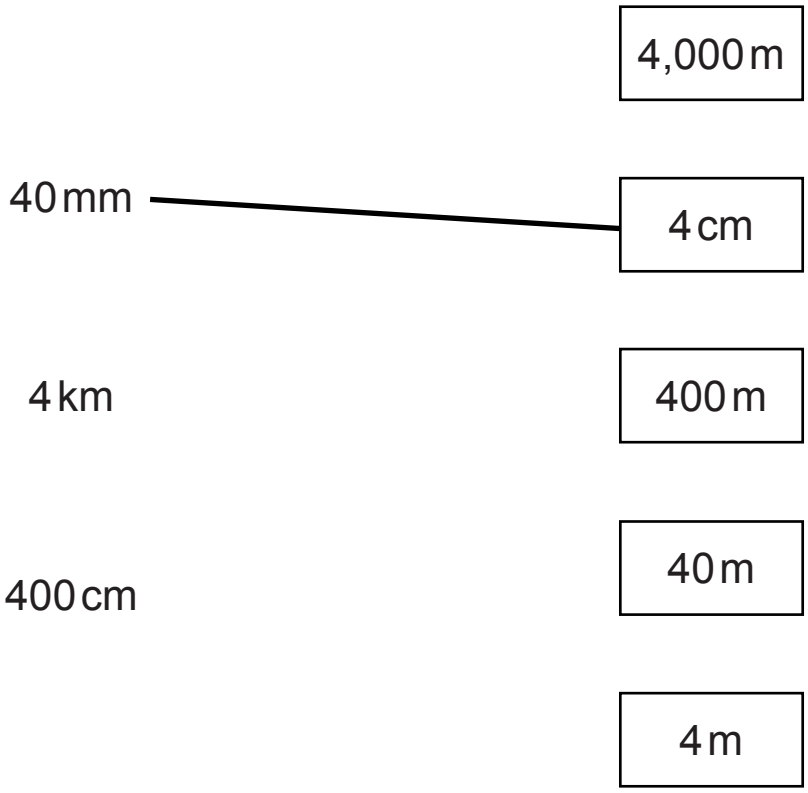
23. Match each length to the correct box on the right.

One has been done for you.



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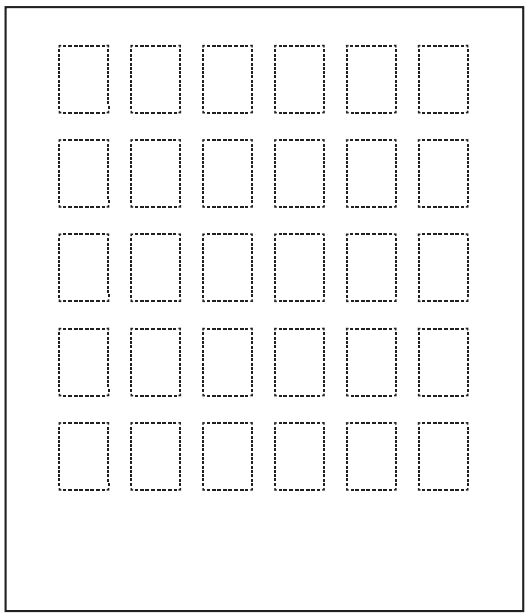
24. Holly has 30 stickers to go on this page.



$\frac{1}{2}$ of them are stars.

$\frac{1}{5}$ of them are animals.

The rest are football stickers.

How many football stickers does she have?

1 mark

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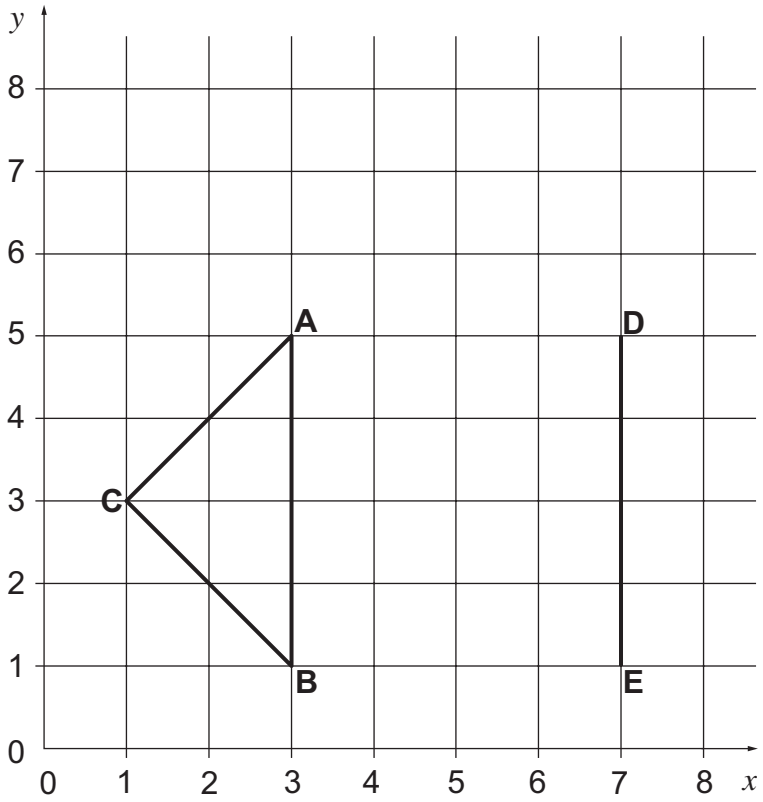
25. Jason has drawn triangle **ABC** on this grid.



Holly has started to draw an **identical** triangle **DEF**

What will be the coordinates of point **F**?

(,)

1 mark

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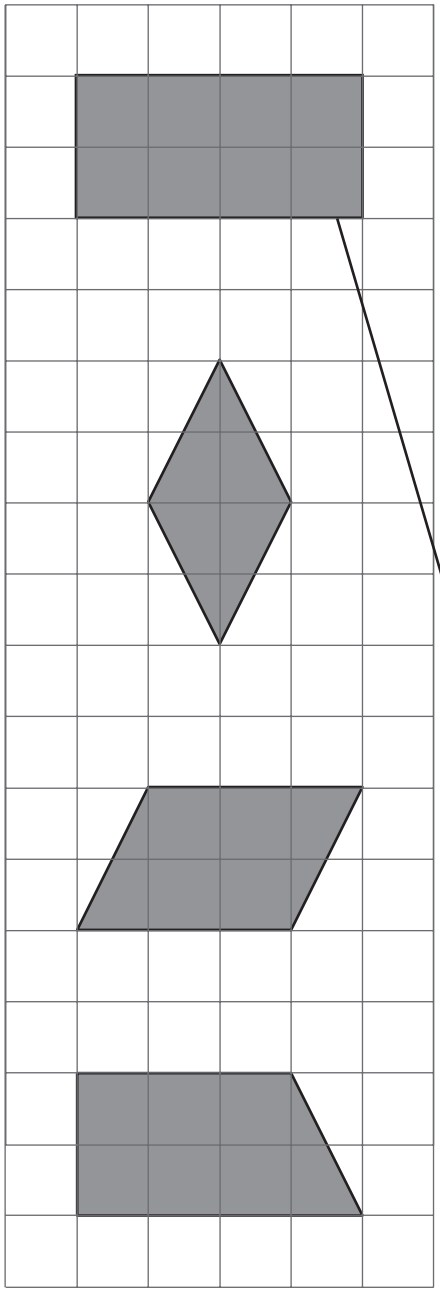
26. Match each quadrilateral to the correct description.

One has been done for you.



It has no lines of symmetry.
Opposite sides are parallel.

Only one pair of parallel sides.

4 right angles.
2 pairs of sides equal in length.

4 sides of equal length.
Opposite angles are equal.

1 mark

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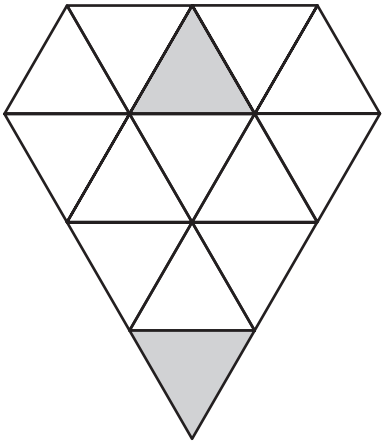
27. Here is a shape made from matching triangles.



Circle the fraction of the shape that is shaded.

$\frac{1}{3}$ $\frac{1}{4}$ $\frac{1}{5}$ $\frac{1}{6}$ $\frac{1}{7}$

1 mark

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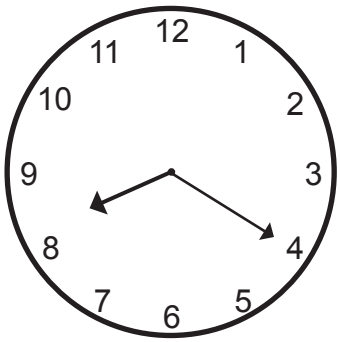
28. Here is a clock face.

Join the clock face to the **two** correct digital times.



18:20

3:40

20:20

4:40

8:20

1 mark

1 mark

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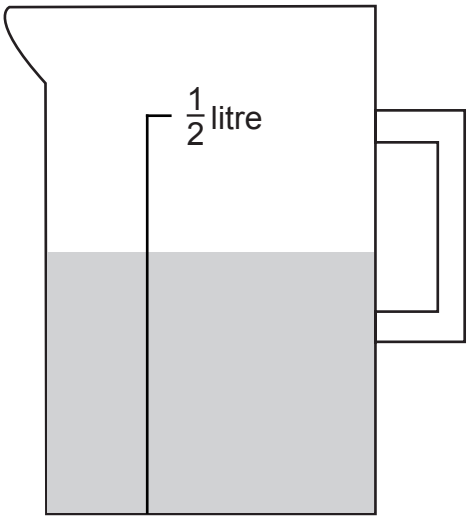
29. Mia pours some water into a $\frac{1}{2}$ litre jug.

Estimate how many **millilitres** of water are in the jug.

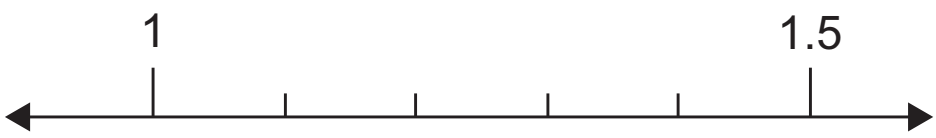


ml

1 mark

30. Here is part of a number line.

Draw an arrow (↓) to show the position of 1.24



1 mark

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