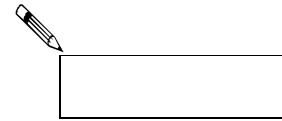


Year 3 Maths Optional SAT

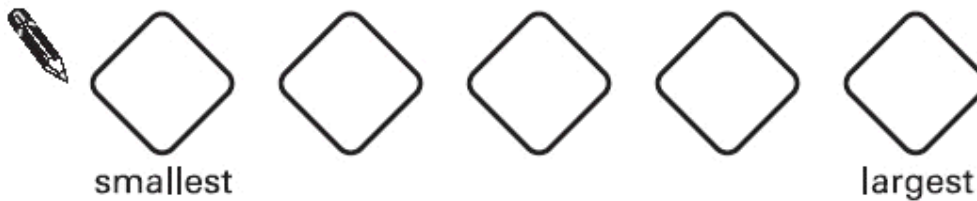
Paper B

1. Calculate 13×3



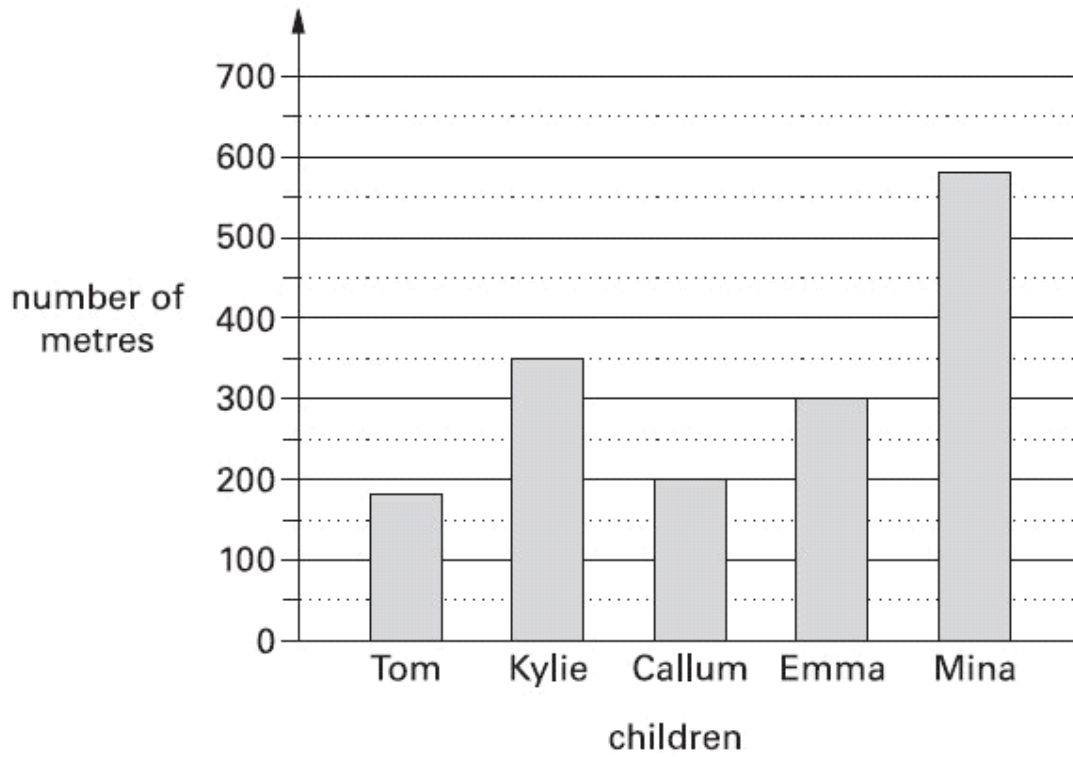
1 mark

2. Write these numbers in order.




1 mark

3. This graph shows the distance some children walk to school.



Who walks **between** 300 and 400 metres to school?

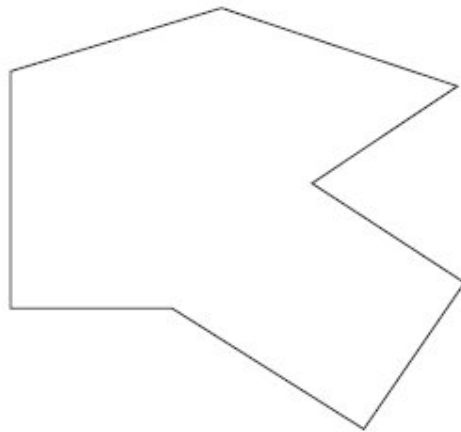
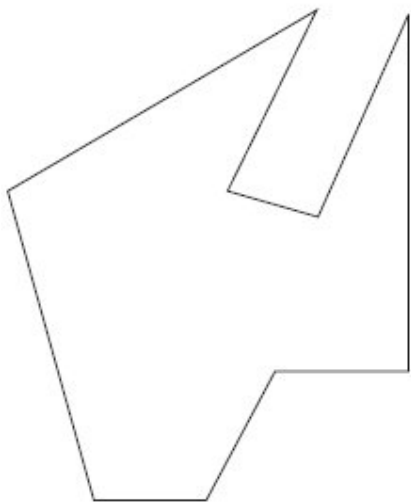
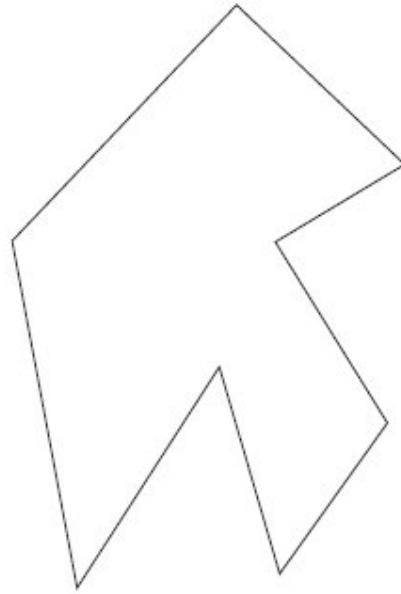
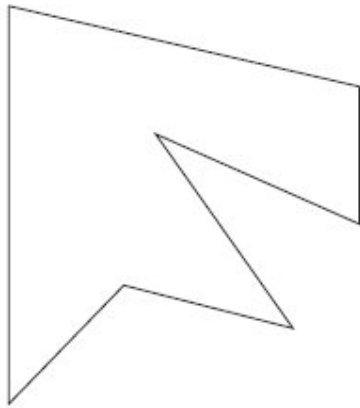


1 mark

4. Here are some shapes.

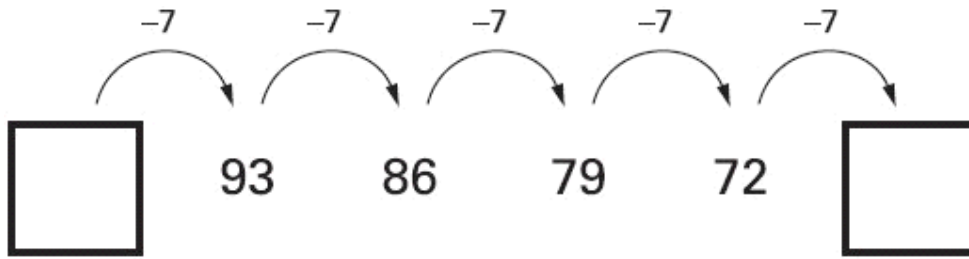
Two of the shapes are **octagons**.

Put a tick (✓) on them.



1 mark

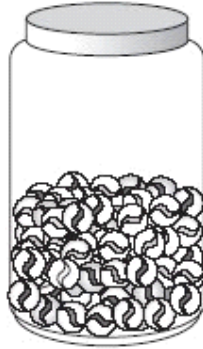
5. Write the two missing numbers in this sequence.



1 mark

6. Mina has 76 marbles in a jar.

The jar is about **half full**.



Estimate how many marbles Mina will have when the jar is **full**.

Circle the best estimate.



75

100

125

150

175

1 mark

7. Measure this line.

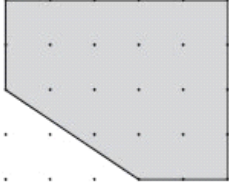
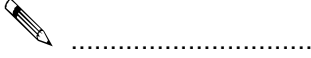
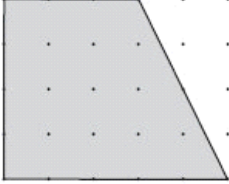
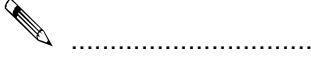
Use a ruler.



cm

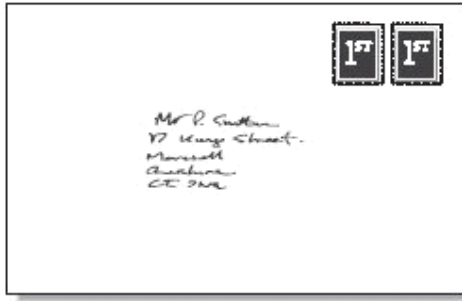
1 mark

8. Complete the table.

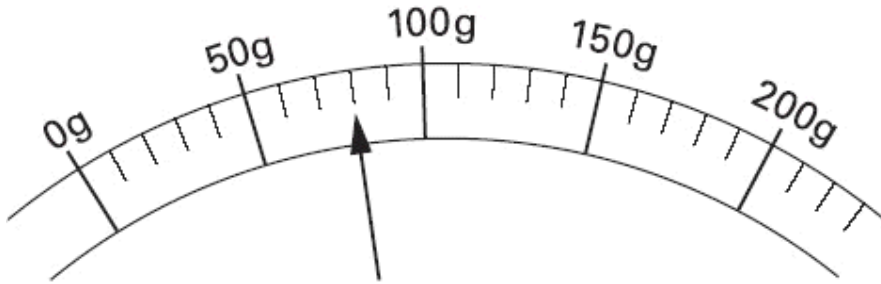
shape	number of right angles
	
	

1 mark

9.



Here is a scale which shows the weight of a letter.



How much does the letter weigh?

 grams

1 mark

10. The letter D has a line of symmetry.

Tick (✓) all the other letters that have a line of symmetry.

D M E S N



1 mark

11. Katie has these digit cards.

She makes different **2-digit** numbers with them.



Write all the **2-digit** numbers Katie can make with them.








2 marks

12. **60 children** visit the zoo.

They each vote for their favourite big cat.



favourite big cat	number of children
cheetah 	7
lion 	22
tiger 	13
panther 	
leopard 	10
total	60

Complete the table.

Now look at each sentence below.

Put a tick (✓) if it is **true**.

Put a cross (✗) if it is **not true**.



Nine more children voted for the lion than for the leopard.

The lion was more popular than the tiger.

$\frac{1}{4}$ of the children voted for the tiger.

2 marks

13. Ben saved **twenty-four** 10p coins and **ten** 20p coins.

How much money has Ben saved?



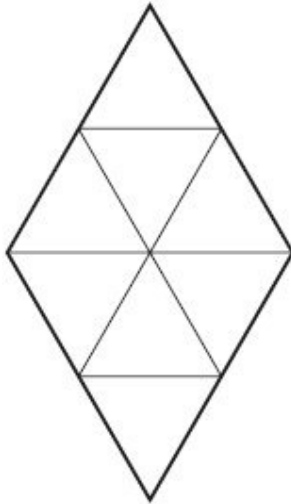
Show how
you work
it out.



£

2 marks

14. Shade $\frac{1}{4}$ of this shape.



1 mark

15. Write in the missing number.



$$120 + \boxed{} + 70 = 500$$

1 mark

16. Circle the **two** fractions that have the same value.



$\frac{2}{10}$

$\frac{1}{3}$

$\frac{1}{2}$

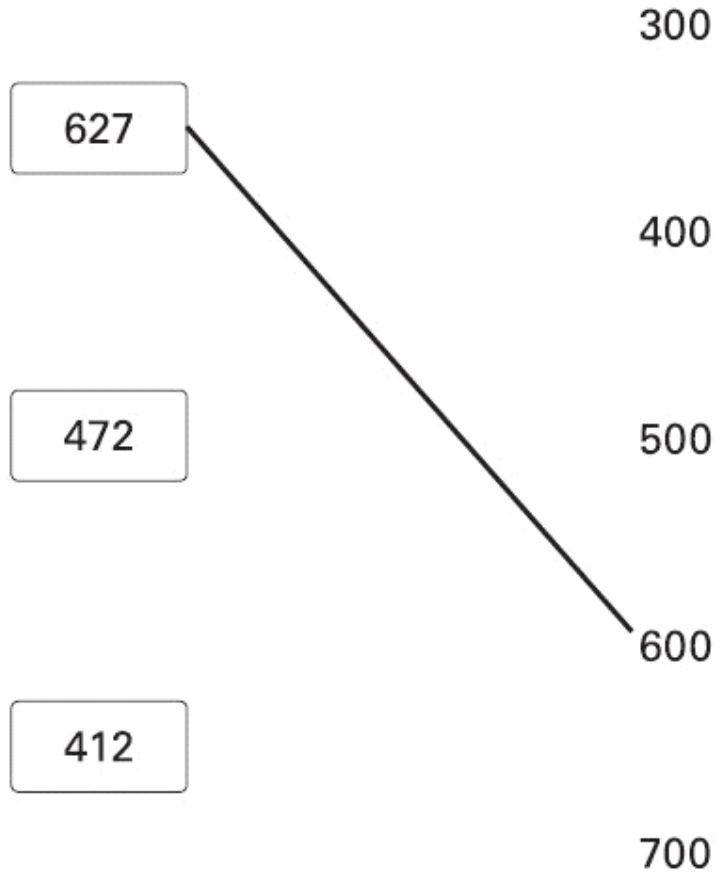
$\frac{5}{10}$

$\frac{1}{4}$

1 mark

17. Round each number in a box to the nearest 100

One is done for you.



1 mark

18. Write in the missing digits.

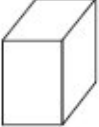



$$\begin{array}{|c|c|} \hline & 7 \\ \hline \end{array} - \begin{array}{|c|c|} \hline 5 & \\ \hline \end{array} = 43$$

1 mark

19. Complete the table.



	number of faces	number of edges
 cuboid	6	12
 square-based pyramid	5	

1 mark

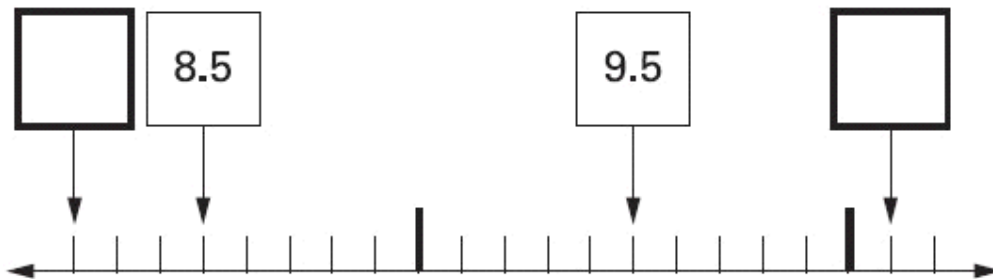
20. Calculate $448 + 375$



1 mark

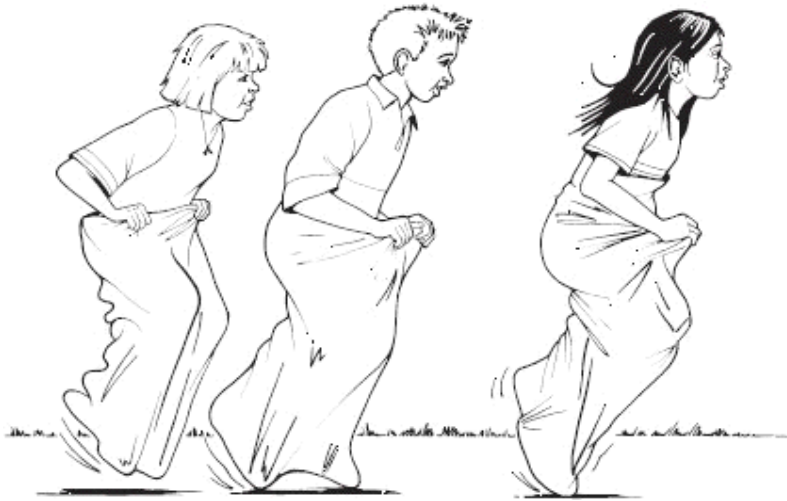
21. Here is part of a number line.

Write in the numbers missing from the **two** empty boxes.



2 marks

22.



The Fun Day started at this time in the morning.



It finished at this time in the afternoon.




How long did the Fun Day last?



hours	minutes
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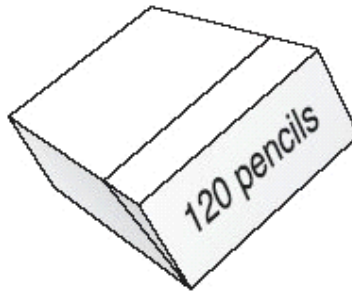
1 mark

23. Write in the missing number.

 $\div 4 = 23$

1 mark


24. Miss Wood's class had 120 pencils at the start of the year.





12 children use 5 pencils each.

11 children use 4 pencils each.

How many pencils are left at the end of the year?



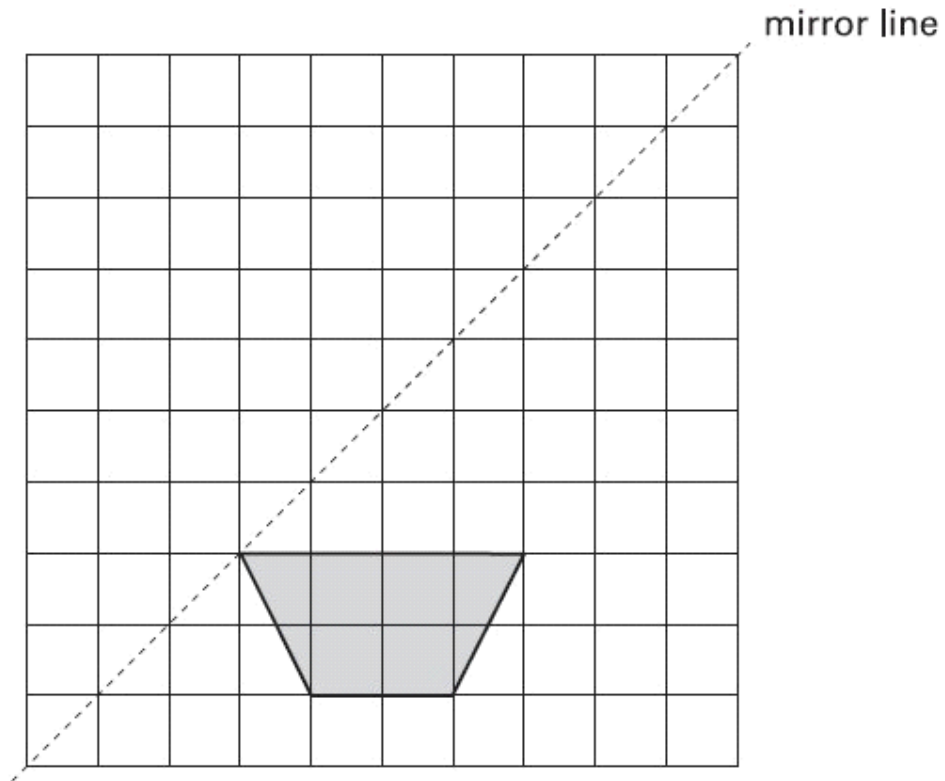
Show how you work it out. 



pencils

2 marks

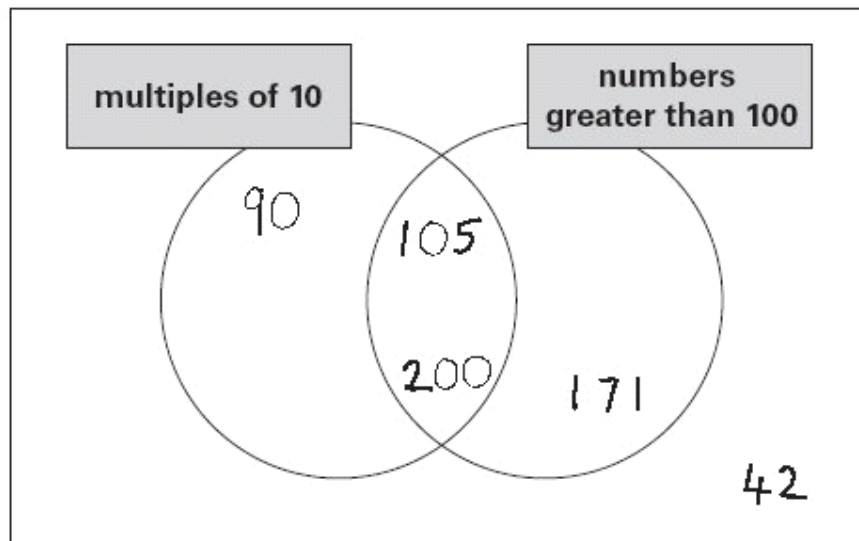
25. Draw the reflection of this shape.



1 mark

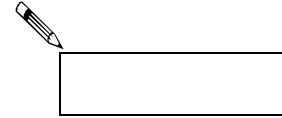
26. One number is in the **wrong** place on the sorting diagram.

Put a cross (✕) on it.



1 mark

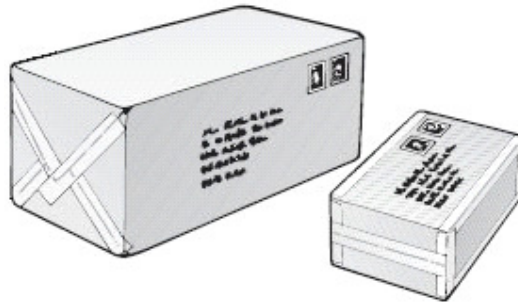
27. Calculate $237 - 189$



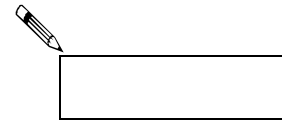
1 mark

28. It costs Ben $\pounds 4.16$ to post **two** parcels.

One parcel costs $\pounds 3.32$ to post.



How much does the **other** parcel cost to post?



1 mark

29. Katie's glass holds a **quarter of a litre** when it is full.



She nearly fills it to the top with juice.

Tick (✓) the approximate amount of juice she puts in the glass.



4 millilitres

20 millilitres

120 millilitres

220 millilitres

420 millilitres

1 mark