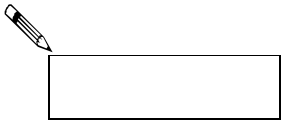
Year 3 Maths Optional SAT

Paper A

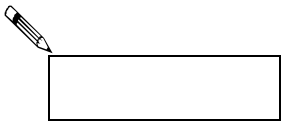
2003

1. Practice question

Calculate 21 + 14



2. Calculate 42 + 16



1 mark

3. **One** of these numbers does **not** belong in this set.

Cross (✘) out the number that does **not** belong.

odd numbers

15

21

9

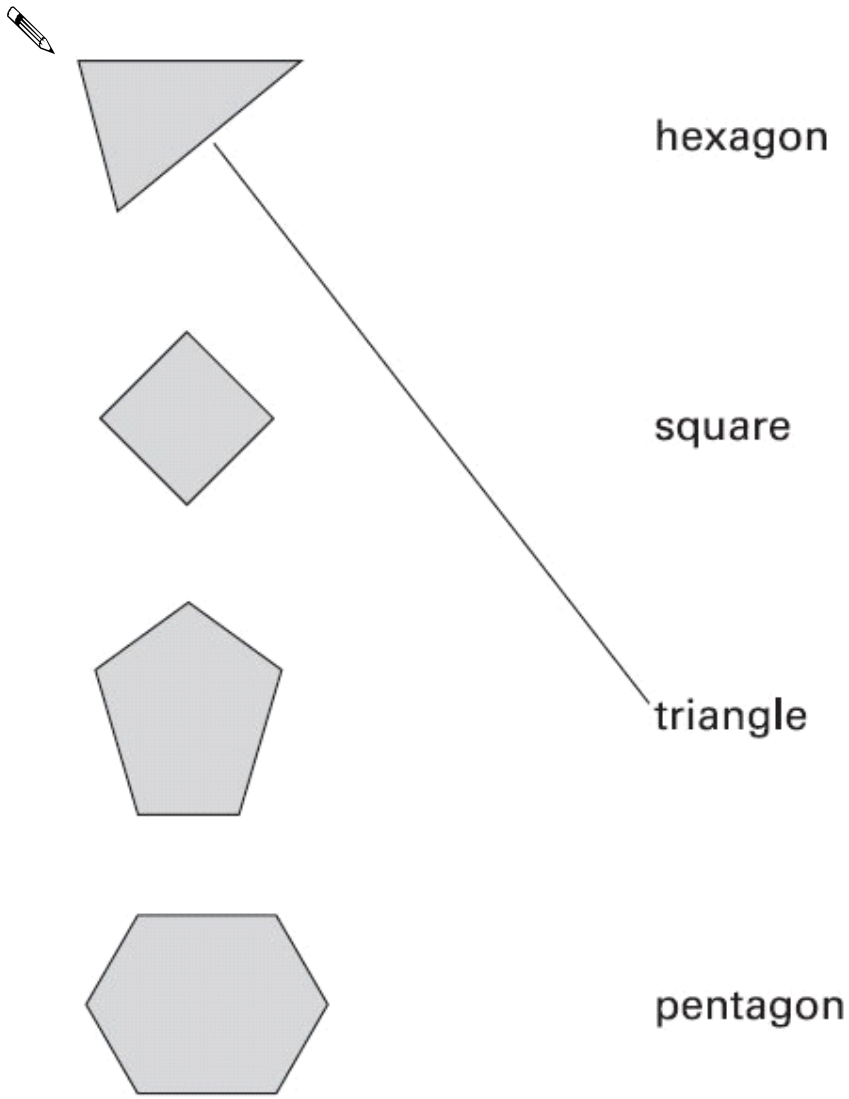
12

17

1 mark

4. Match each shape to its name.

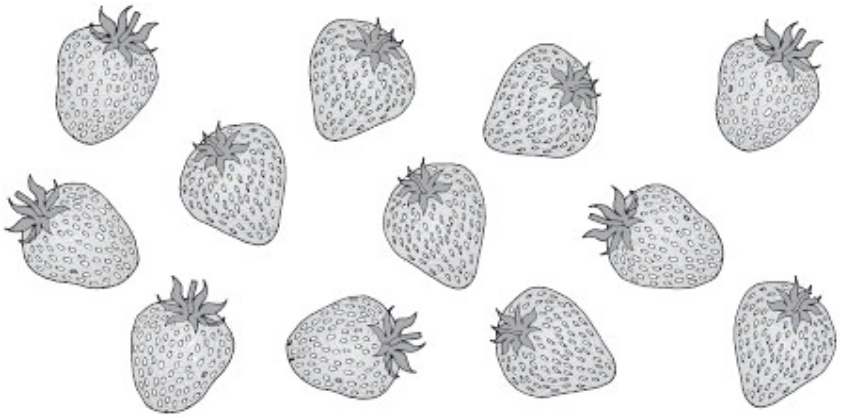
One is done for you.



1 mark

5. Some children share 12 strawberries.

Each child gets 3 strawberries.



How many children are there?

children

1 mark

6. Ben wants to buy a packet of biscuits.

He gives the shopkeeper **65p**

The shopkeeper says,

'You need 25p more to buy the biscuits'.

How much do the biscuits cost?

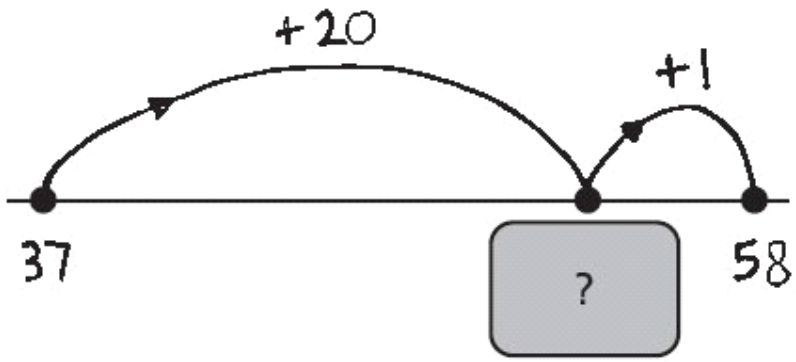
p

1 mark

7. Calculate **47 – 25**

1 mark

8. Katie drew a number line to help her find the answer to 37 + 21

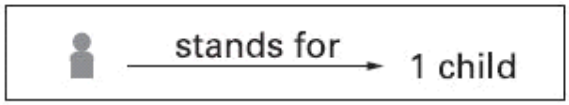


What number is hidden under the card?

1 mark

9. Some children in Class 4 are in a club.

This table shows the club they are in.



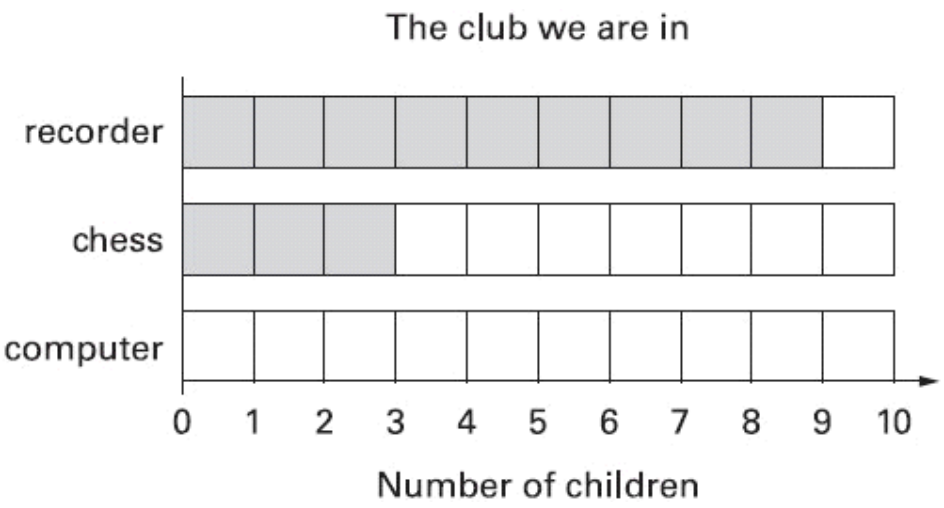
club	number of children
recorder	
chess	
computer	

How many **more** children go to recorder than chess?

children

This graph should show the same **data** as the table.

Shade in the correct number of blocks for **computer club**.



2 marks

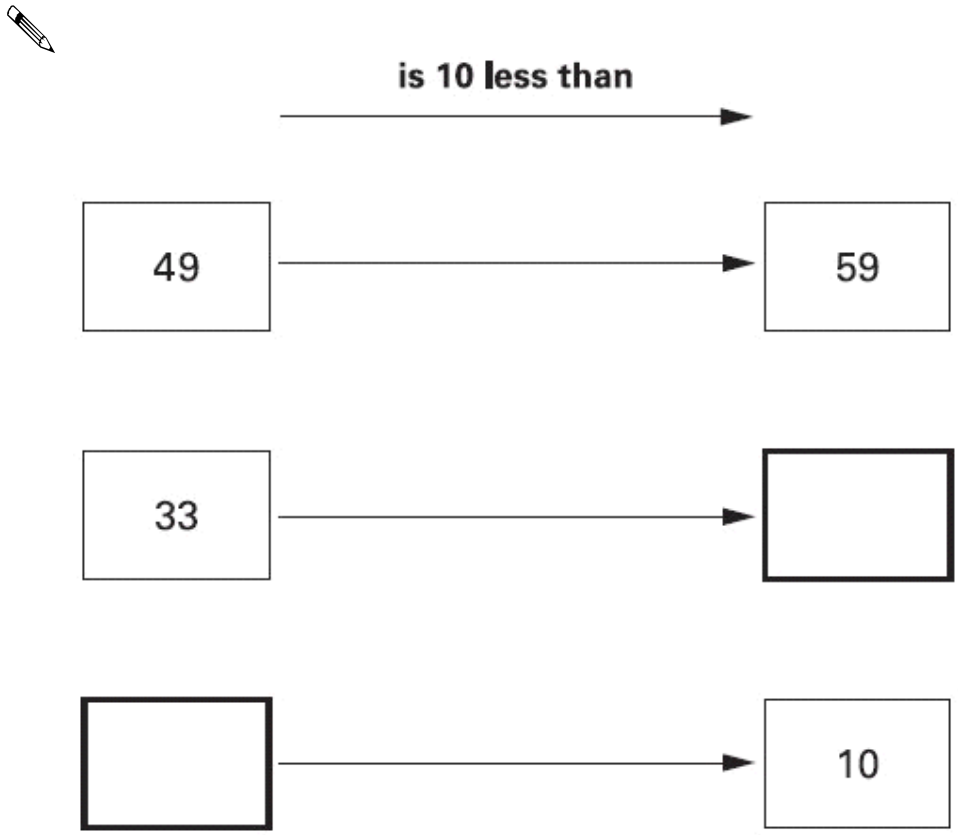
10. **Two** of these numbers **round to 80**

Circle the **two** numbers.

74 82 77 85

1 mark

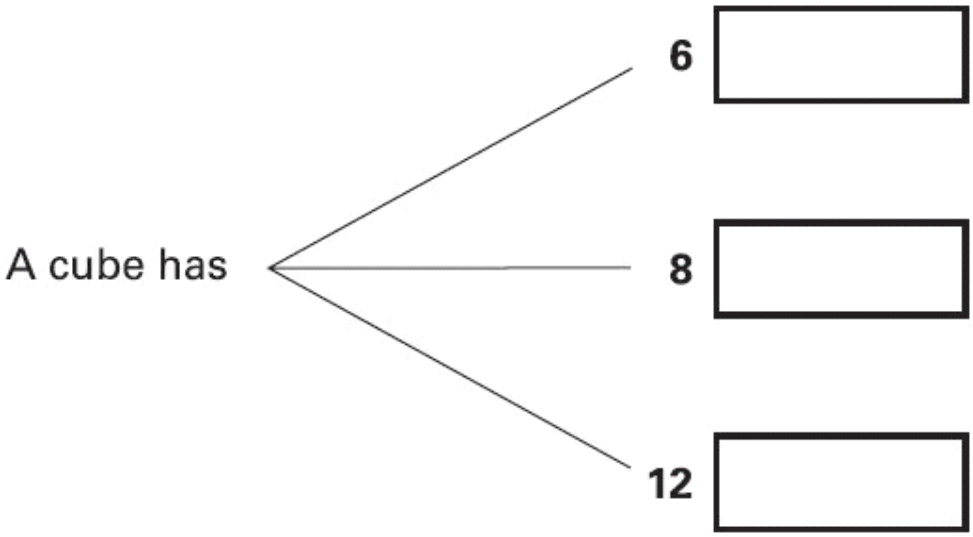
11. Write the missing numbers in the **two** empty boxes.



2 marks

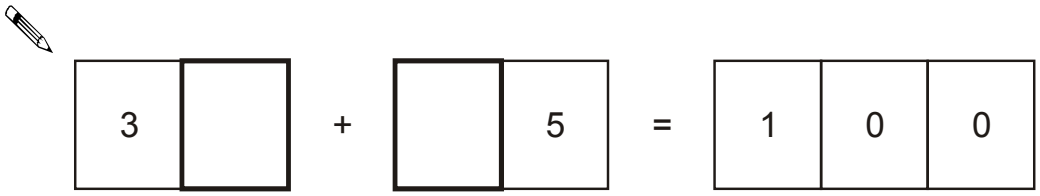
12. Write each word in the correct box.

faces **edges** **vertices**



1 mark

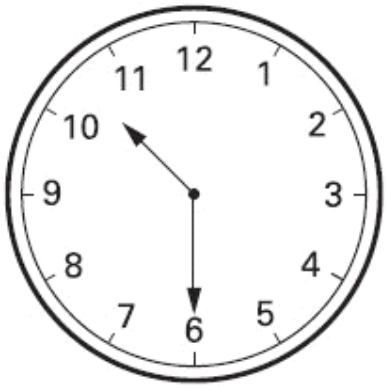
13. Write in the missing digits.

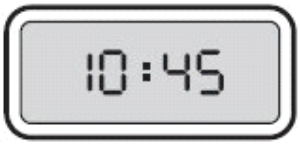


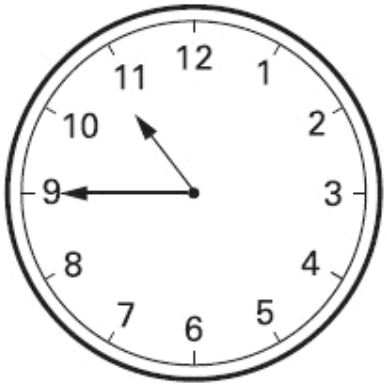
1 mark

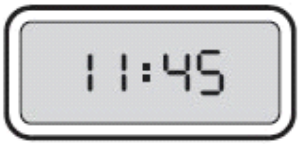
14. **Two** clocks show the same time.

Tick (✓) them.









1 mark

15. Mina and Ben play a game.

Mina scores 70 points.

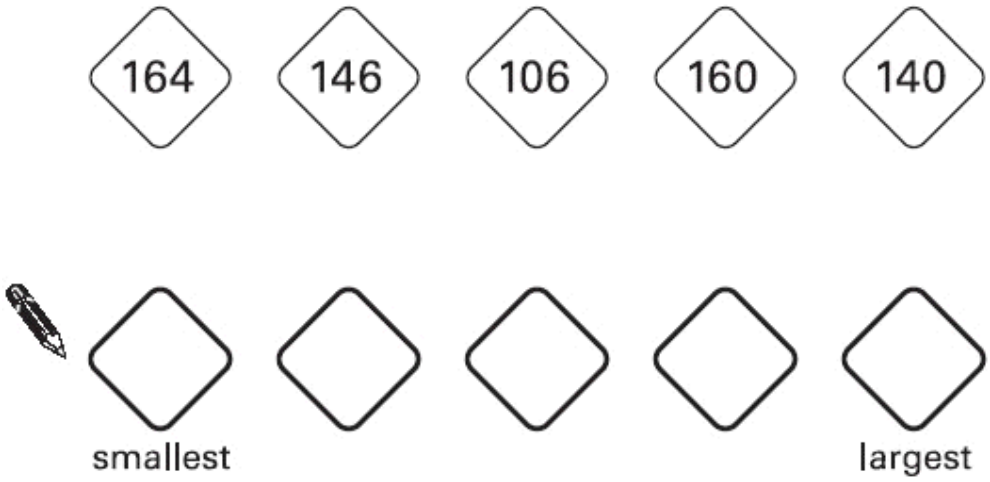
Ben scores 42 points.

How many **more** points does Mina score than Ben?

points

1 mark

16. Write these numbers in order.

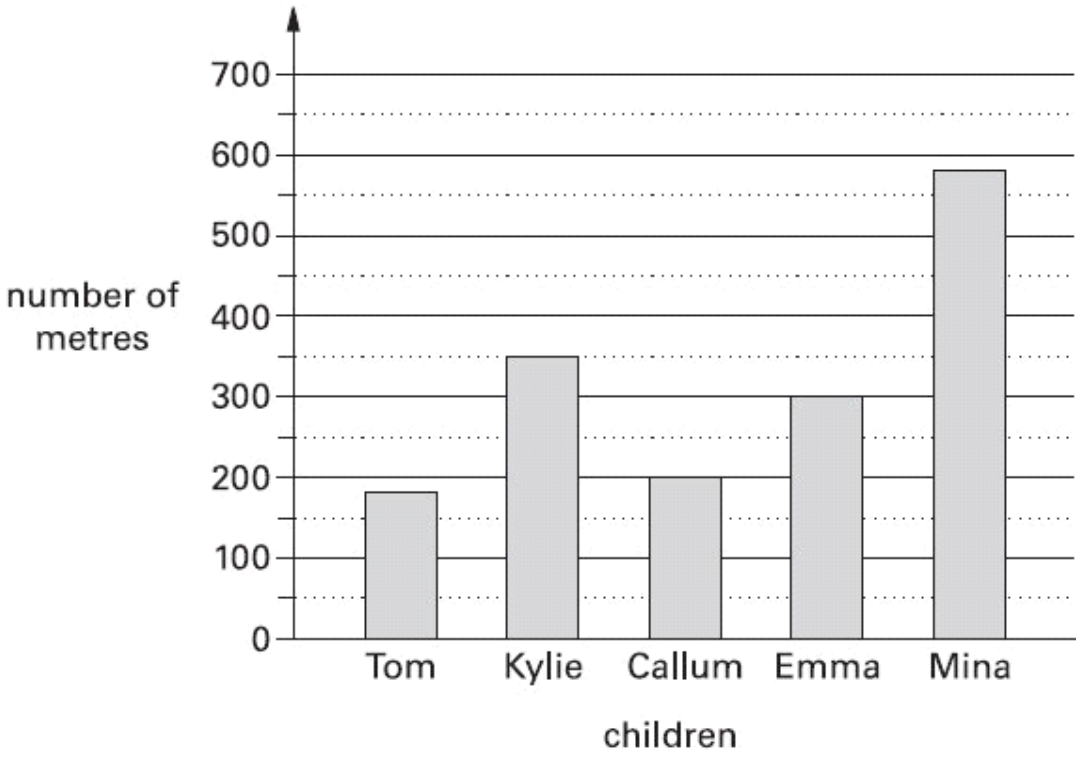


1 mark

17. Calculate 13×3

1 mark

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



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

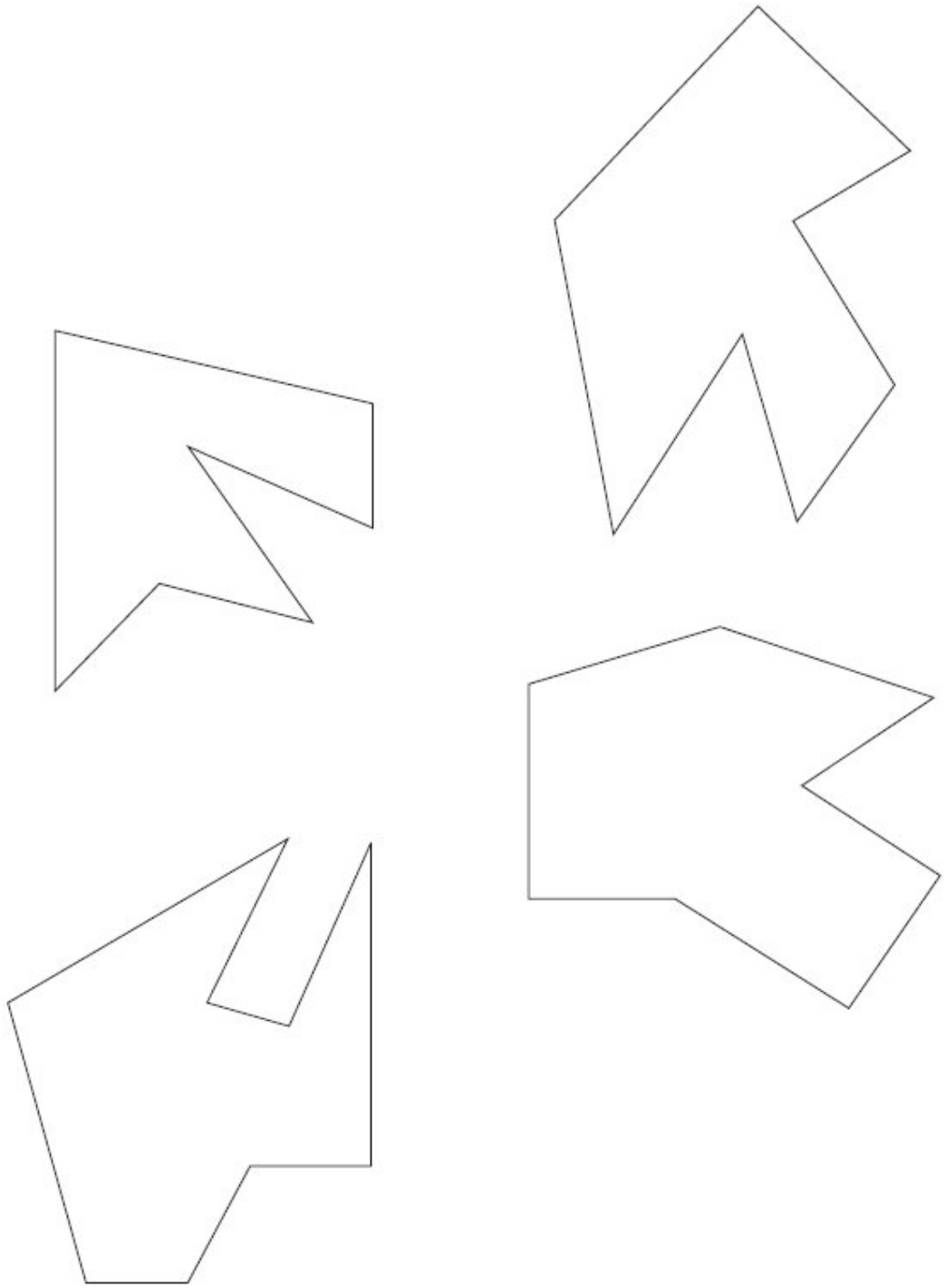
.....

1 mark

19. Here are some shapes.

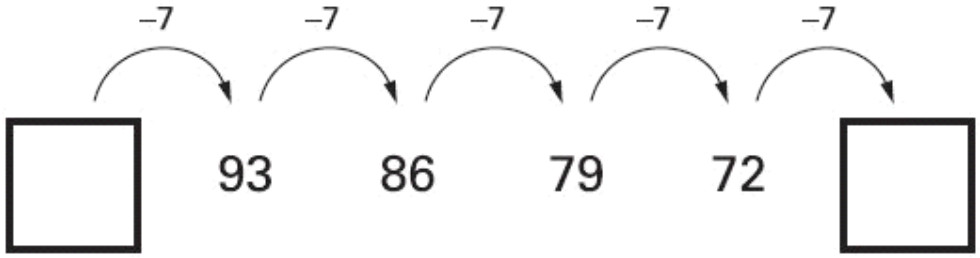
Two of the shapes are **octagons**.

Put a tick (✓) on them.



1 mark

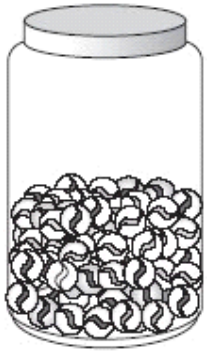
20. Write the two missing numbers in this sequence.



1 mark

21. 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

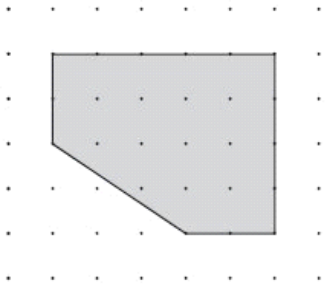
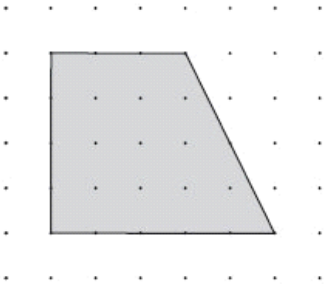
22. Measure this line.

Use a ruler.

cm

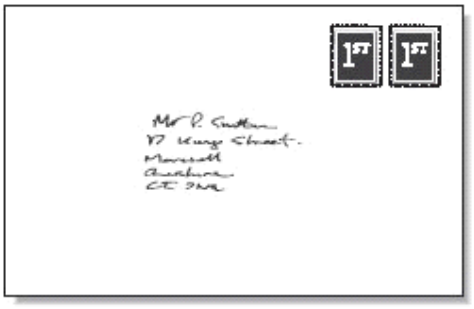
1 mark

23. Complete the table.

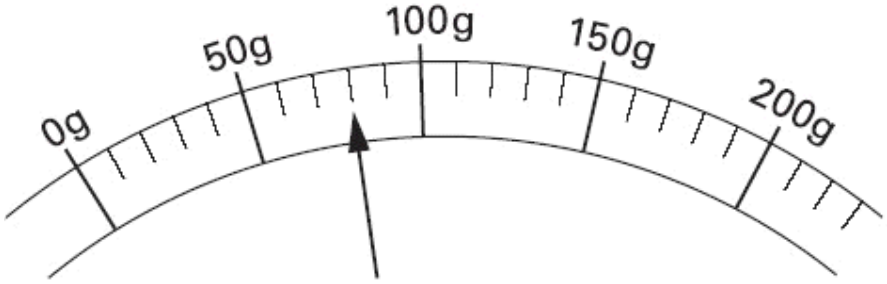
shape	number of **right** angles
	.....
	.....

1 mark

24.



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



How much does the letter weigh?

grams

1 mark

25. 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

26. Katie has these digit cards.

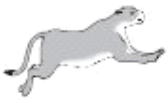
She makes different **2-digit** numbers with them.

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

2 marks

27. **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. ☐

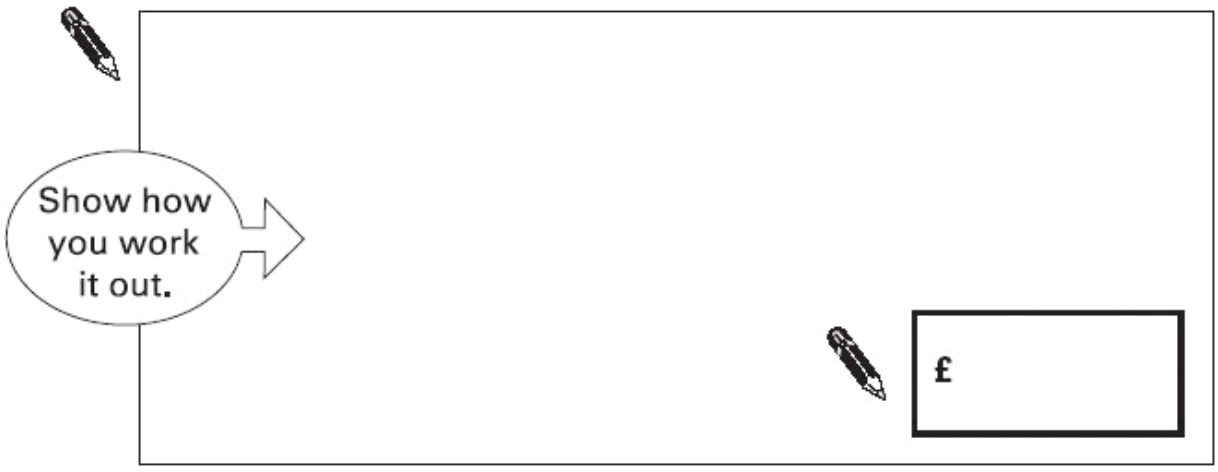
The lion was more popular than the tiger. ☐

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

2 marks

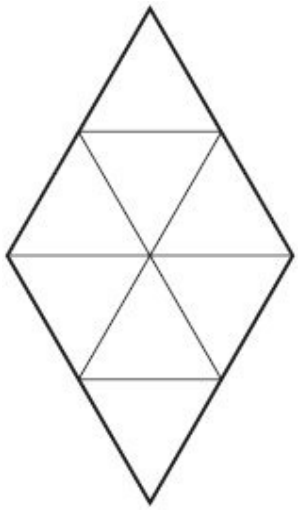
28. Ben saved **twenty-four** 10p coins and **ten** 20p coins.

How much money has Ben saved?



2 marks

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



1 mark

30. Write in the missing number.

120 + ☐ + 70 = 500

1 mark

31. 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