


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 (**x**) out the number that does **not** belong.



odd numbers

15

21

9

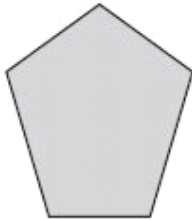
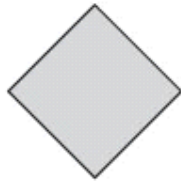
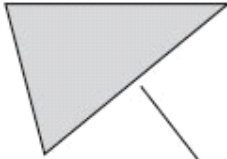
12

17

1 mark

4. Match each shape to its name.

One is done for you.



hexagon

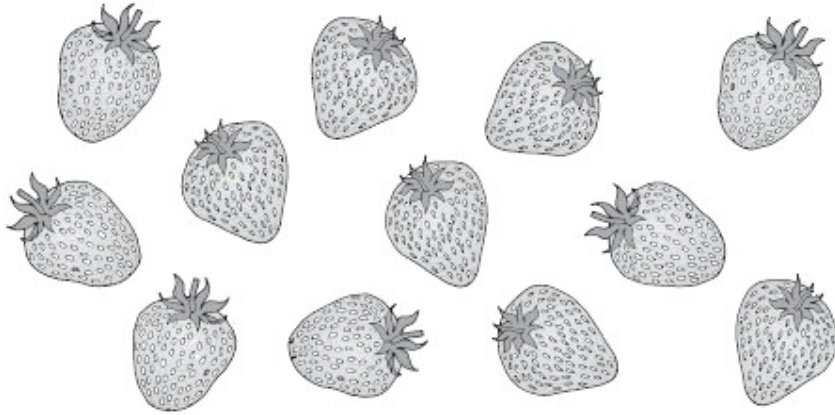
square

triangle

pentagon

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

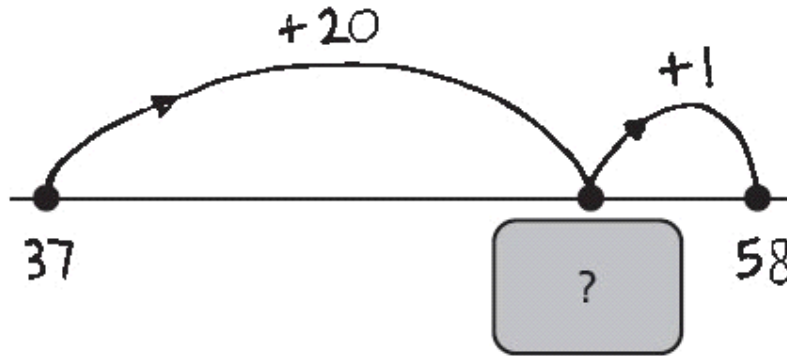
1 mark

7. Calculate $47 - 25$




1 mark

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



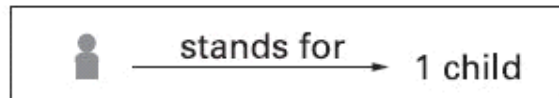
What number is hidden under the card?






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	

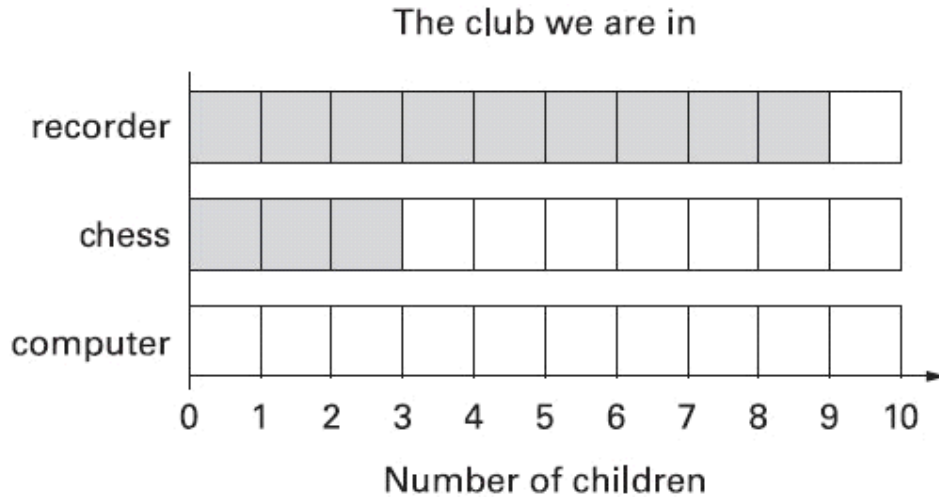
How many **more** children go to recorder than chess?



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

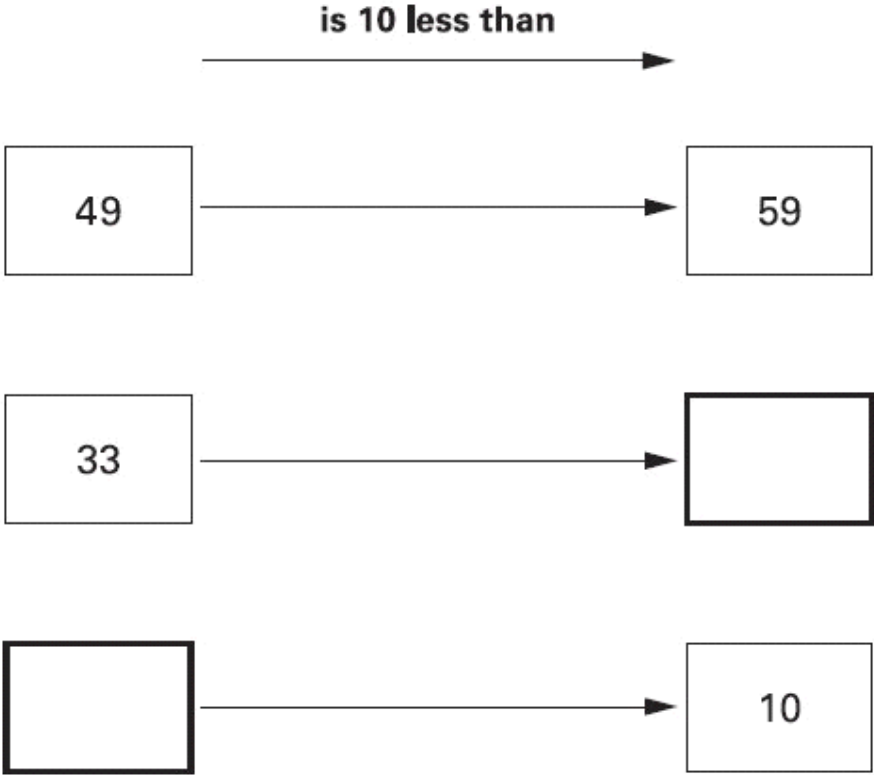
82

77

85

1 mark

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



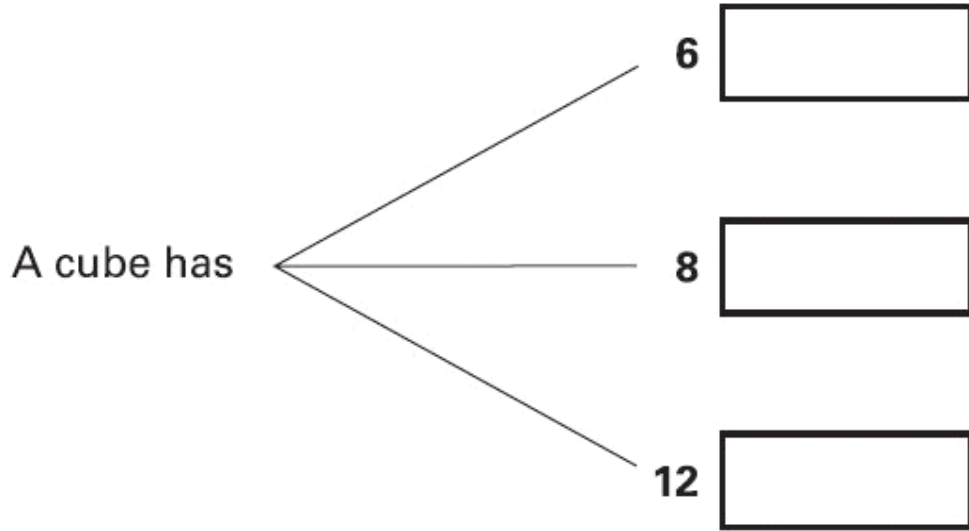
2 marks

12. Write each word in the correct box.

faces

edges

vertices



1 mark

13. Write in the missing digits.

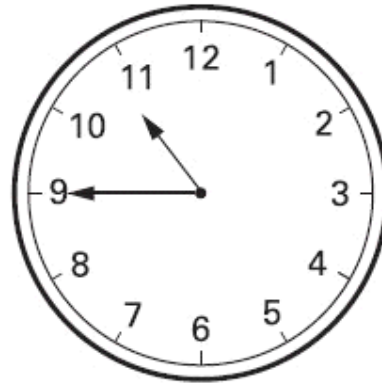
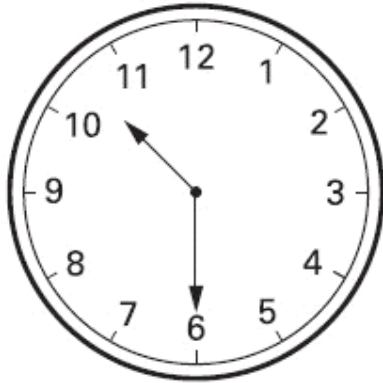


$$\begin{array}{|c|c|} \hline 3 & \square \\ \hline \end{array} + \begin{array}{|c|c|} \hline \square & 5 \\ \hline \end{array} = \begin{array}{|c|c|c|} \hline 1 & 0 & 0 \\ \hline \end{array}$$

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.

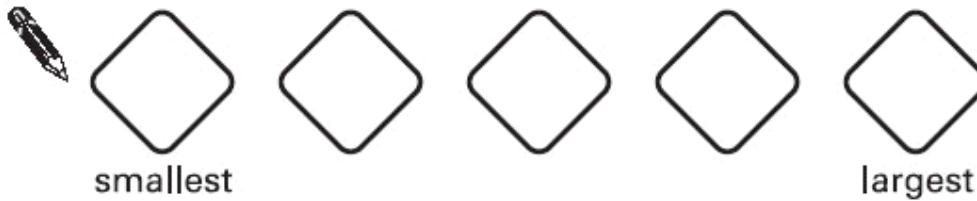
How many **more** points does Mina score than Ben?



points


1 mark

16. Write these numbers in order.



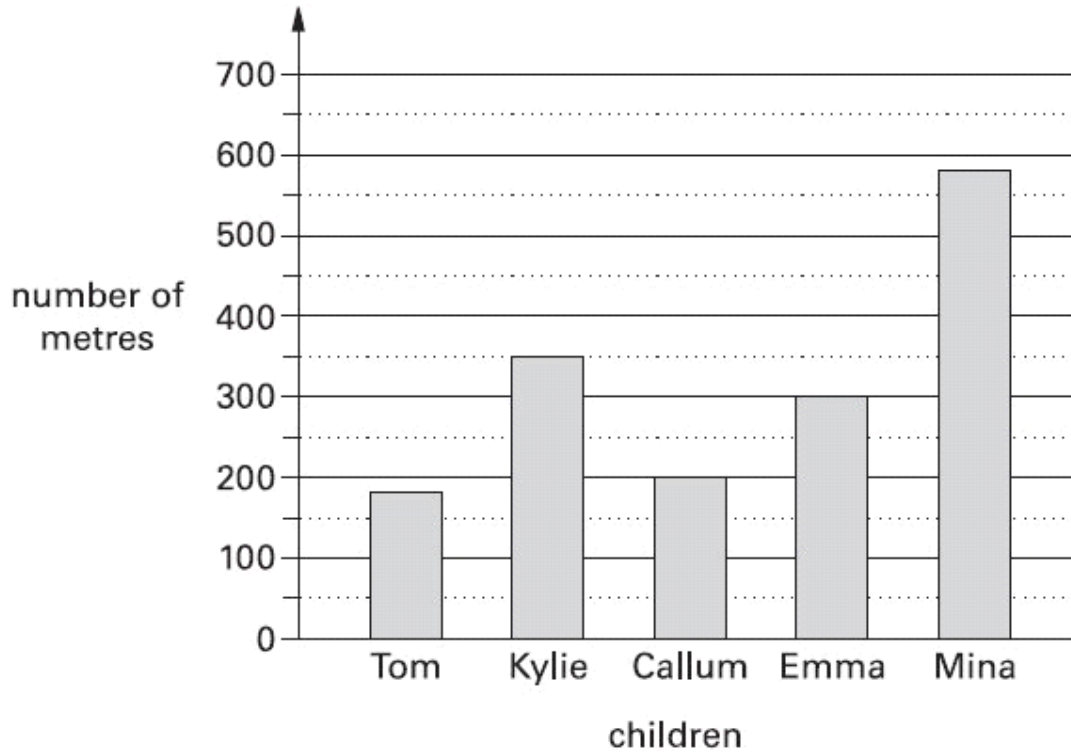
1 mark

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?

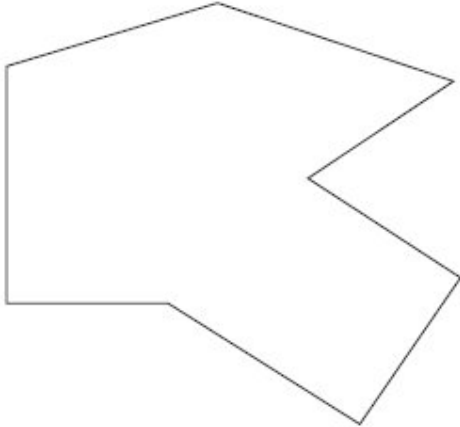
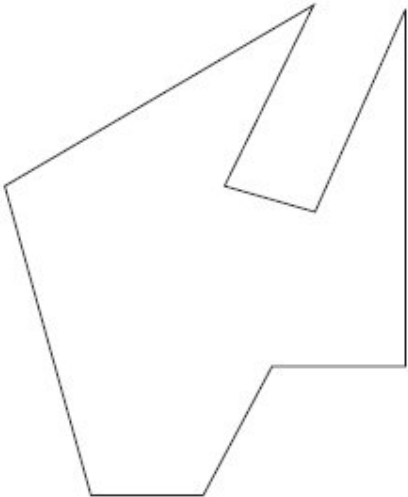
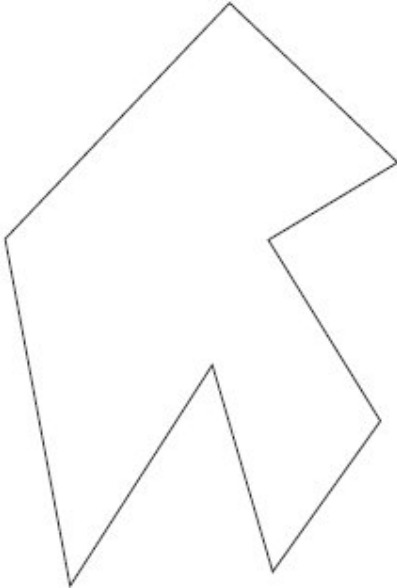
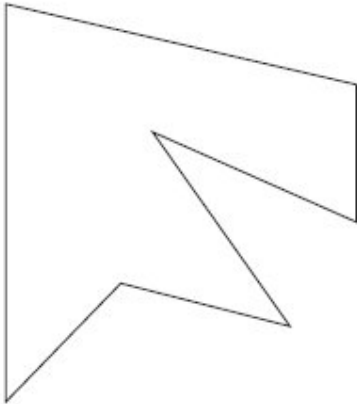

.....

1 mark

19. Here are some shapes.

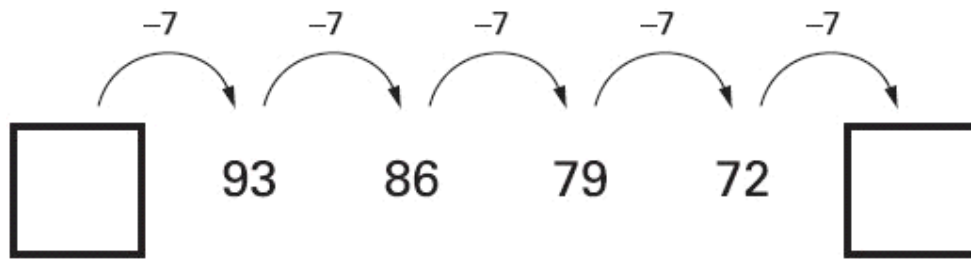
Two of the shapes are **octagons**.

Put a tick (✓) on them.



1 mark

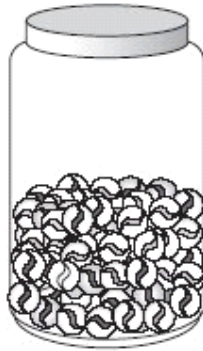
20. Write the two missing numbers in this sequence.



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.

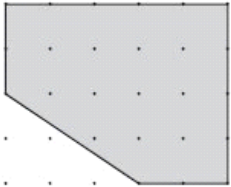
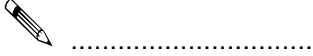
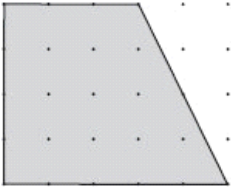

Use a ruler.



cm

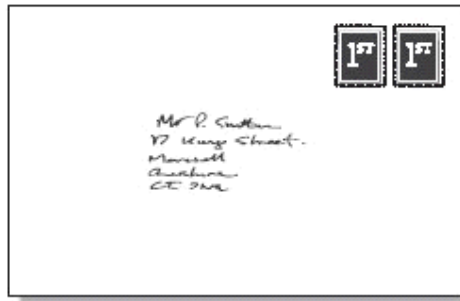
1 mark

23. Complete the table.

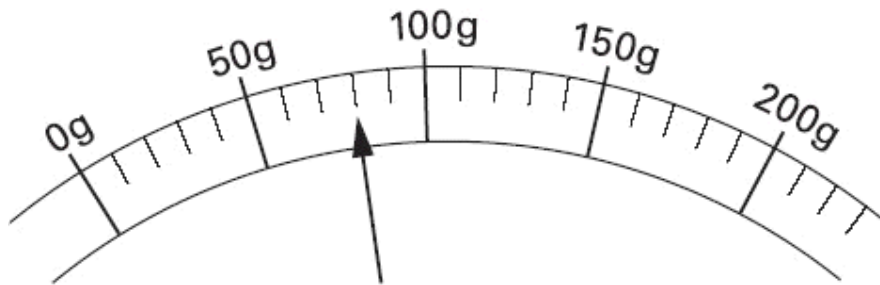
shape	number of right angles
	
	

1 mark


24.



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



How much does the letter weigh?



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?



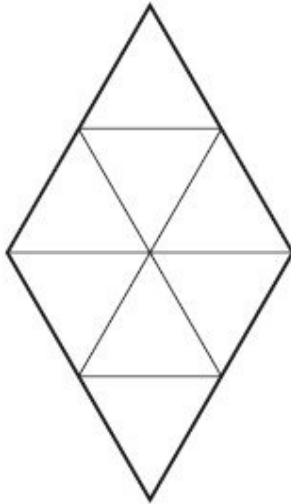
Show how
you work
it out.



£

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