Year 4 optional SAT

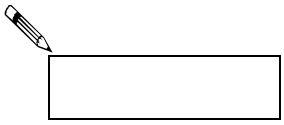
Paper B

2003

1. Here are some numbers.

246 367 458

Circle **two** of these numbers.
Add them together.
Write your answer.



1 mark

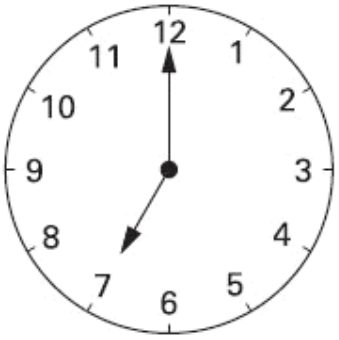
2. Here are two signs.

Use the signs to make these correct.

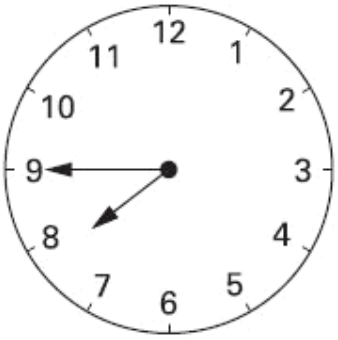
52	☐	17
19	☐	91
50	☐	34

1 mark

3. These clocks show the **start** and **finish** times of a TV programme.



start



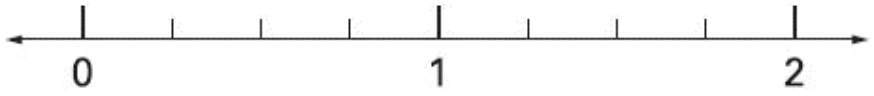
finish

For how many minutes does the programme last?

minutes

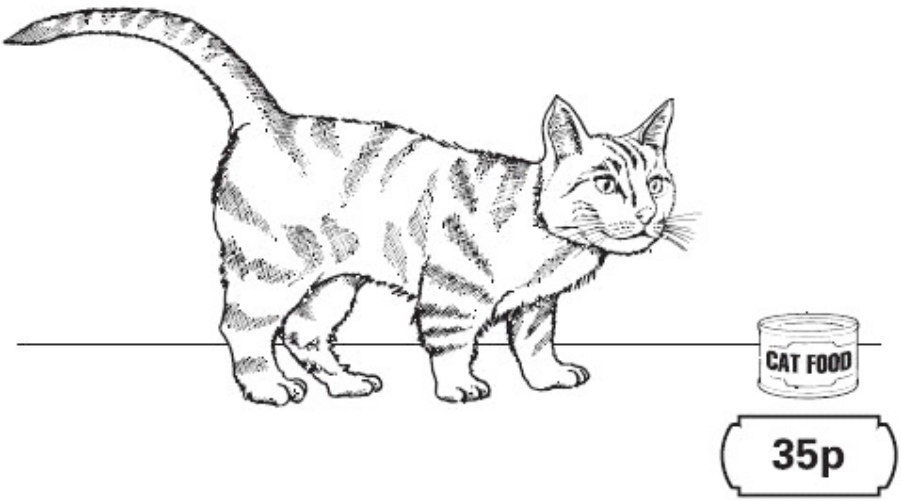
1 mark

4. Draw an arrow (↓) on the number line to show $1\frac{3}{4}$



1 mark

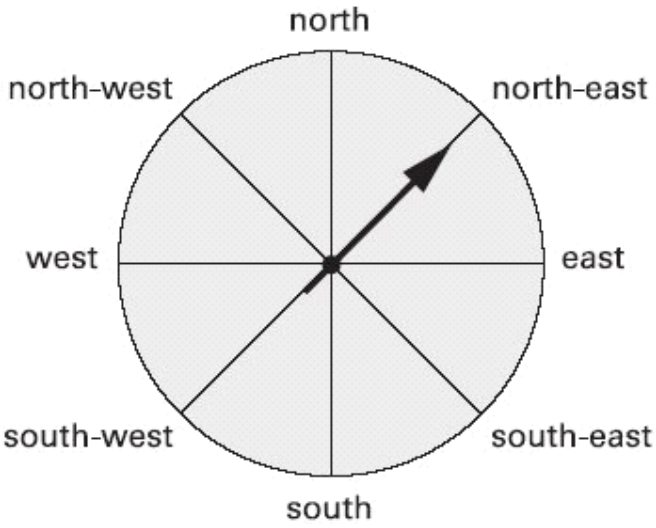
5. Sarah's cat eats one tin of this cat food each day.



How much does it cost to feed Sarah's cat for **7** days?

2 marks

6. The arrow is pointing **north-east**.



The arrow is moved a **quarter turn clockwise**.

In which direction is the arrow pointing after it is moved?

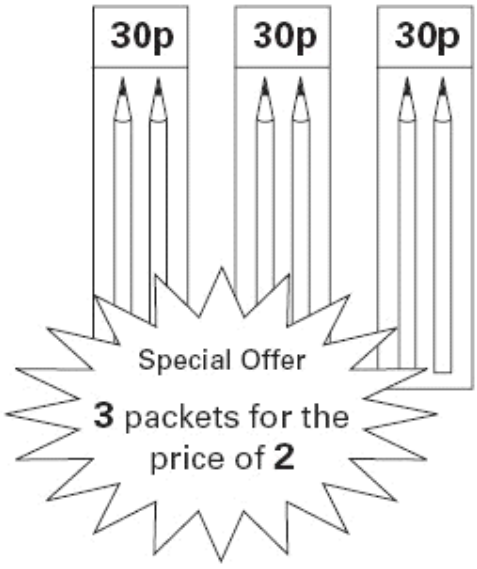
..... 1 mark

7. Circle the **two** fractions that are **greater than** $\frac{1}{2}$

$\frac{1}{8}$ $\frac{6}{10}$ $\frac{5}{8}$ $\frac{3}{10}$

1 mark

8. A shop has these special offers.



Joe wants to buy 6 pencils.

Which is the cheaper offer?
Tick (✓) one box.

Half price ☐ 3 for 2 ☐

Explain how you know.

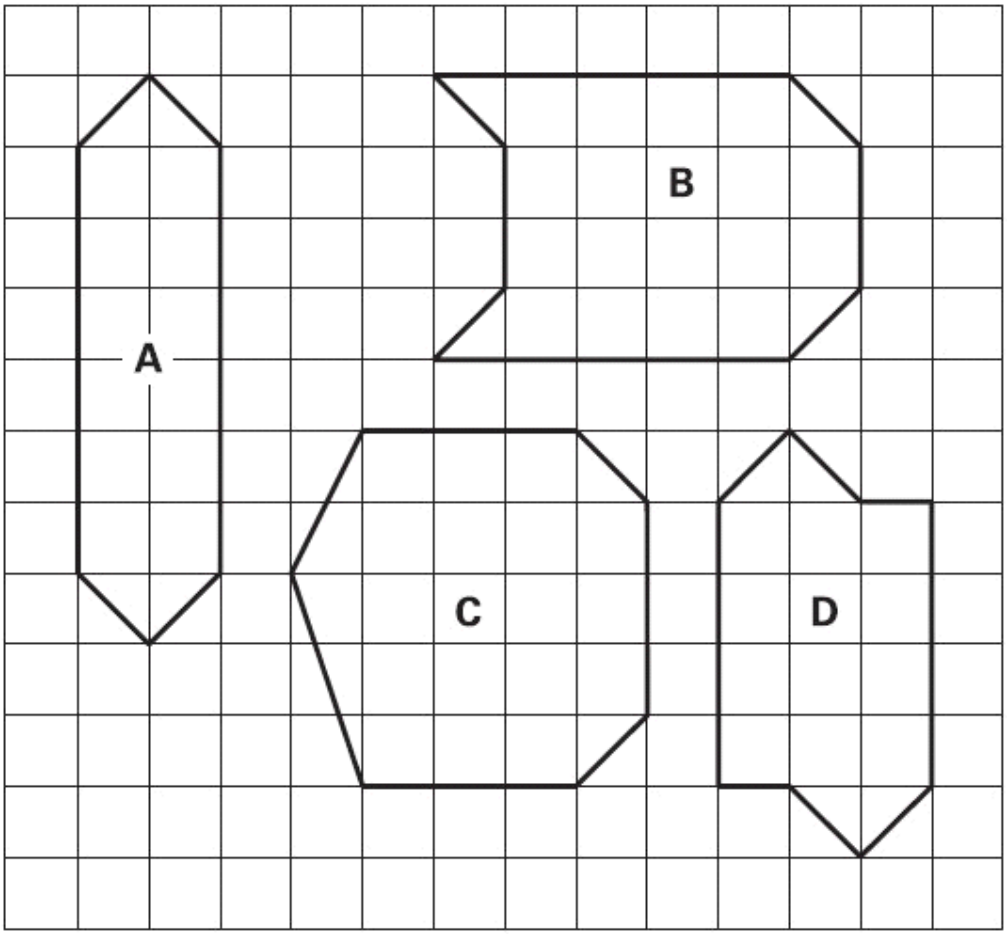
.....

.....

.....

1 mark

9. Here are four shapes on a square grid.



Complete the table.

	property of shape	
	is an octagon	has at least 1 right angle
shape **A**	✗	✓
shape **B**	✓	✗
shape **C**		
shape **D**		✓

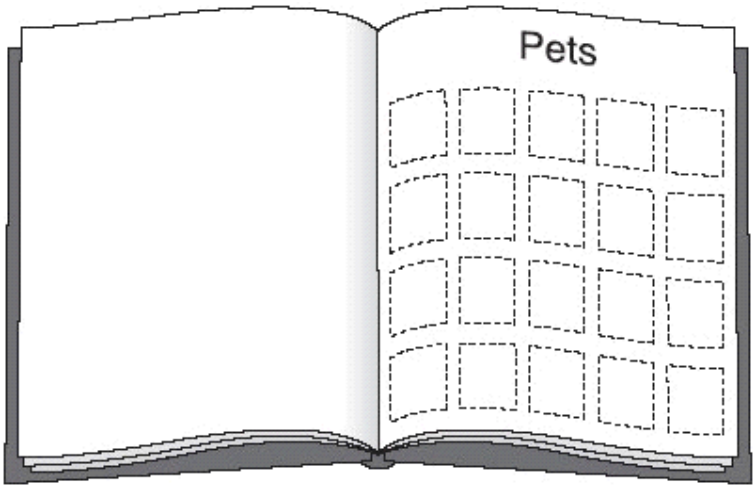
1 mark

10. Write in the missing digits.

1		7	+	6		=	2	0	0

1 mark

11. Meg has 20 pet stickers to go on this page.



$\frac{1}{4}$ of them are dog stickers.

$\frac{1}{2}$ of them are cat stickers.

The rest are rabbit stickers.

How many rabbit stickers does she have?

stickers

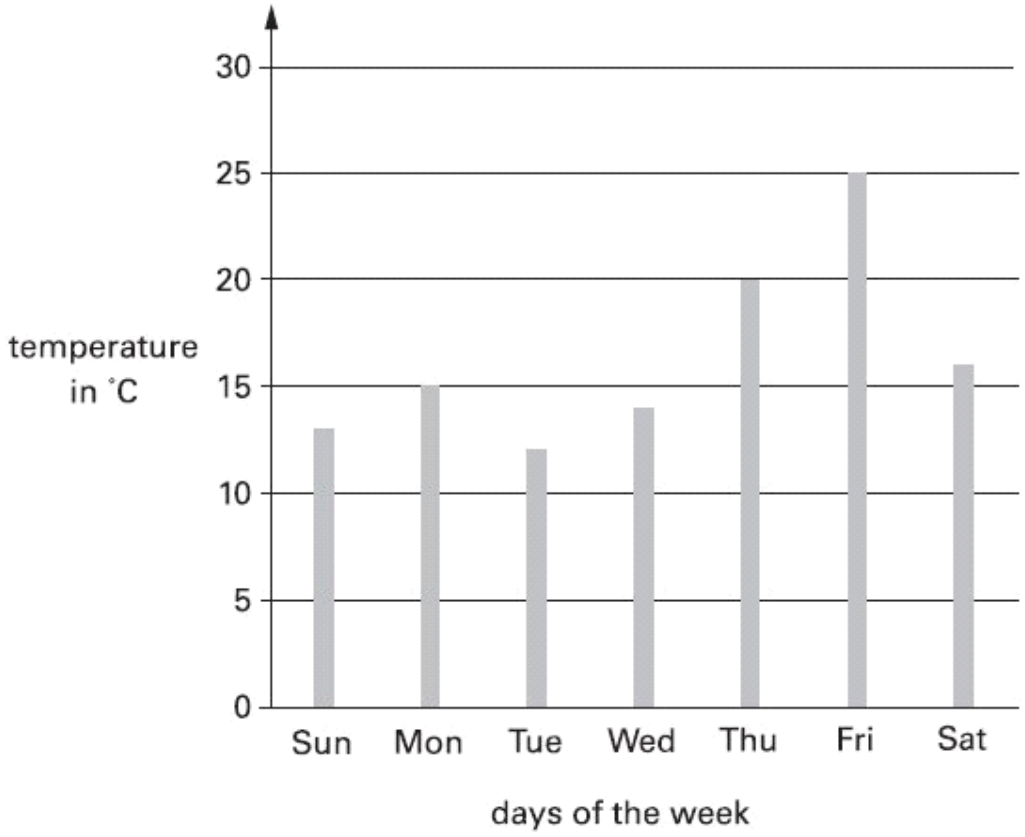
1 mark

12. What is the remainder when you divide **53** by **8**?

remainder

1 mark

13. This graph shows the temperature at midday each day for a week.



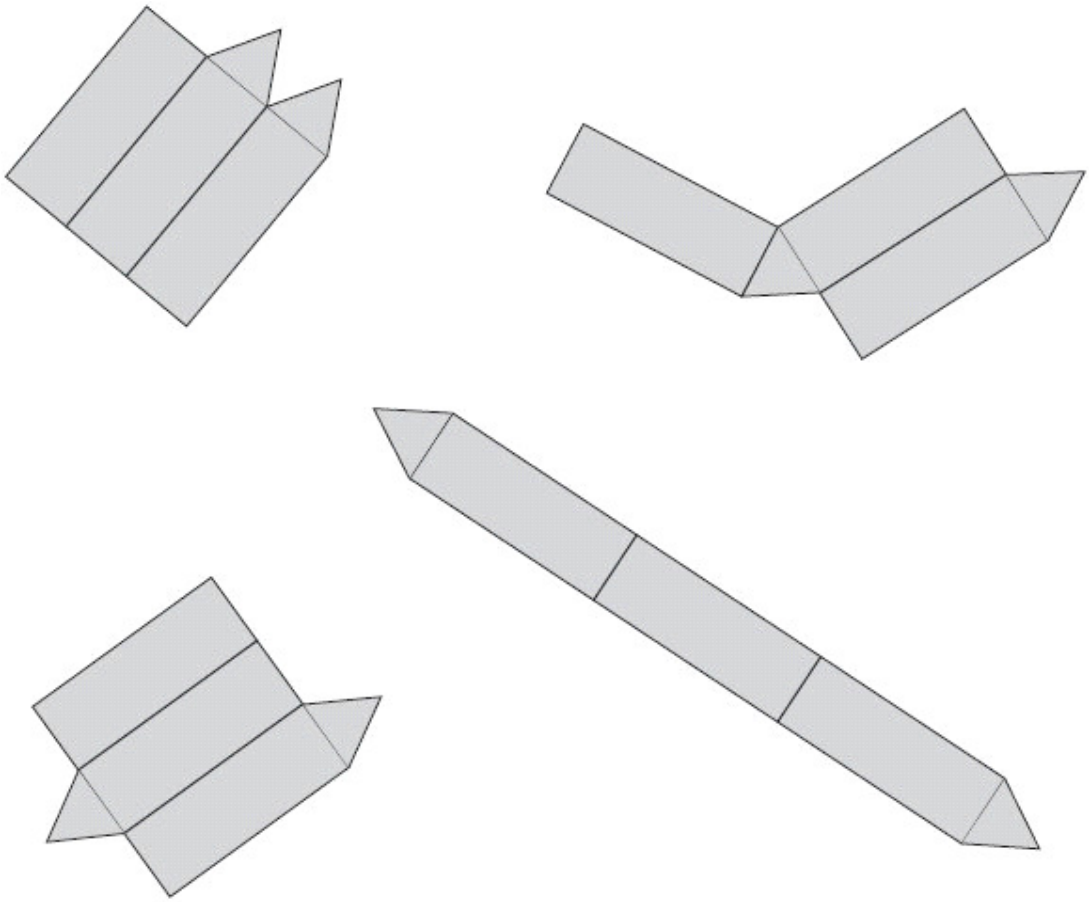
Estimate how much higher the temperature was on Friday than on Saturday.

°C

1 mark

14. **Two** of these diagrams are nets for a triangular prism.

Put a tick (✓) in them.



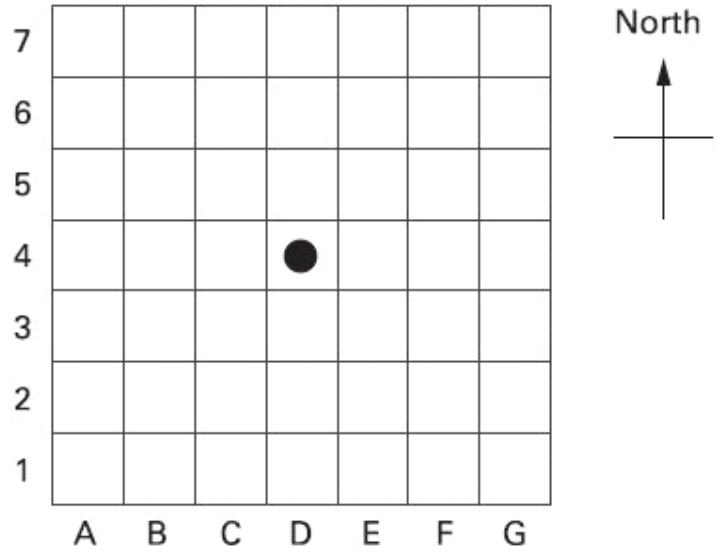
1 mark

15. Write in the missing number.

3400 ÷ ☐ = 100

1 mark

16. Lisa places a counter on square **D4**



She moves it 2 squares east and 3 squares south.

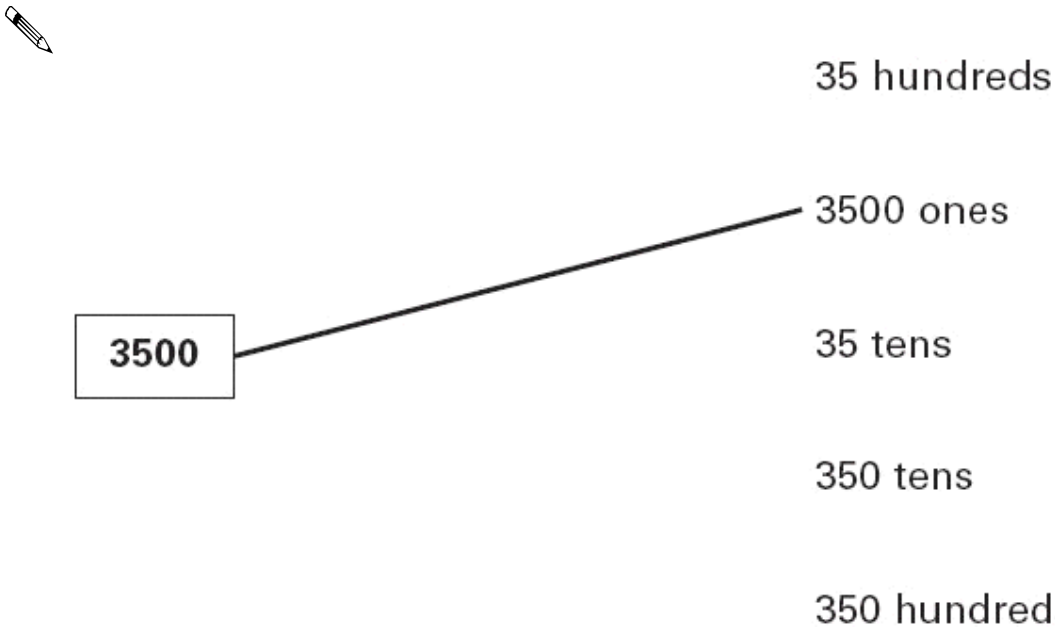
Write the position of the square she moves it to.

1 mark

17. Calculate **846 + 478**

1 mark

18. Draw **two more** lines to match **3500** to numbers with the same value.

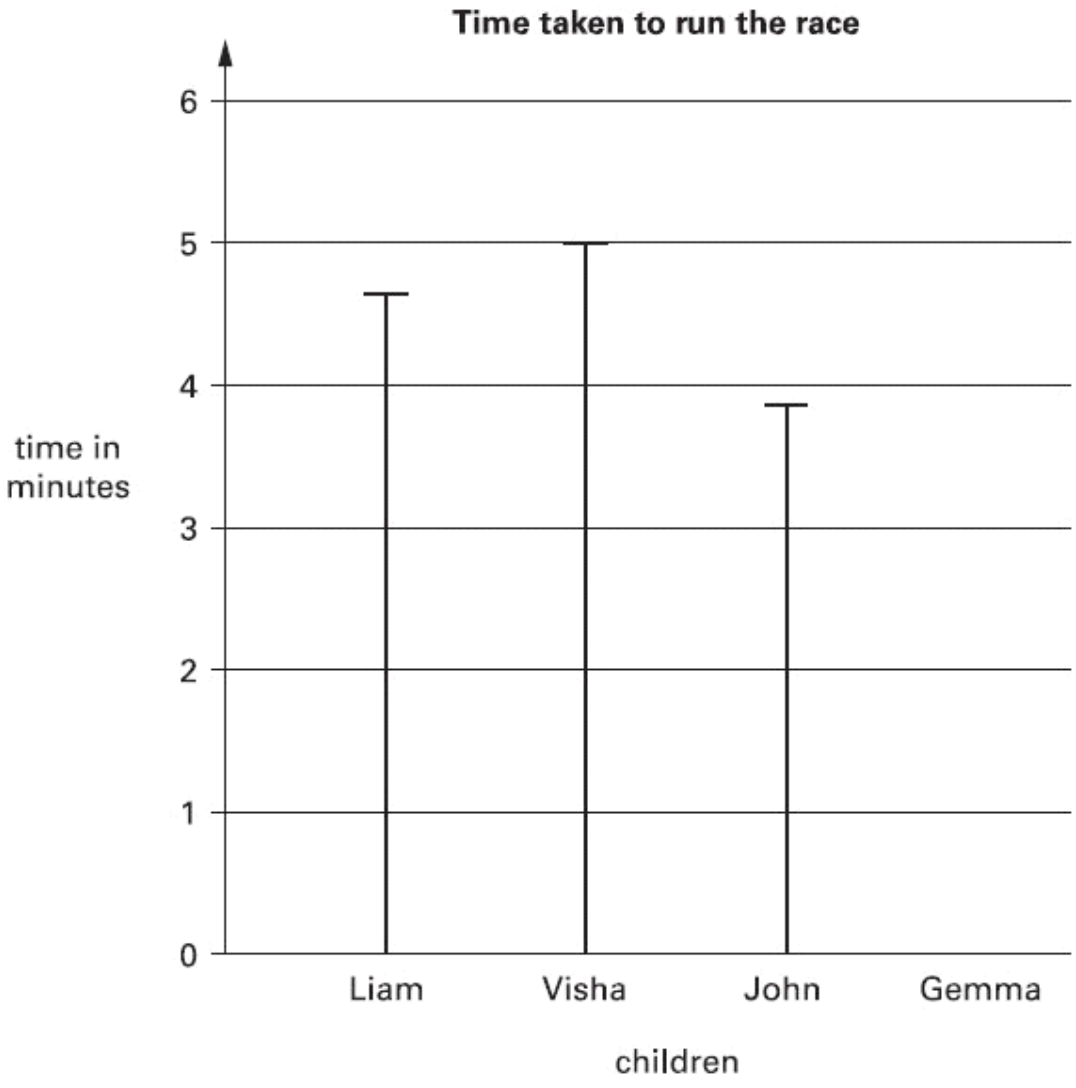


1 mark

19. Four children run in a race.

Gemma takes 5 minutes 20 seconds.

Complete the graph for Gemma.



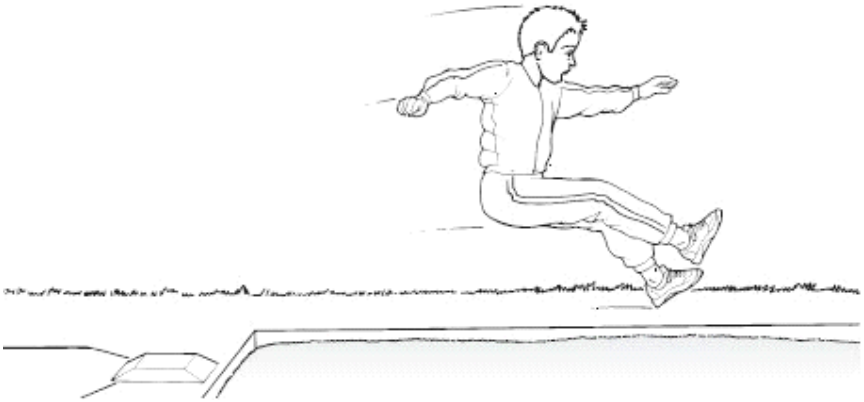
1 mark

20. Calculate **453** × **8**

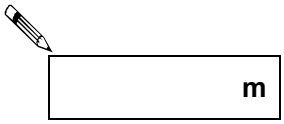
1 mark

21. Max jumped **2.25 metres** on his **second** try at the long jump.

This was **75 centimetres** longer than on his **first** try.

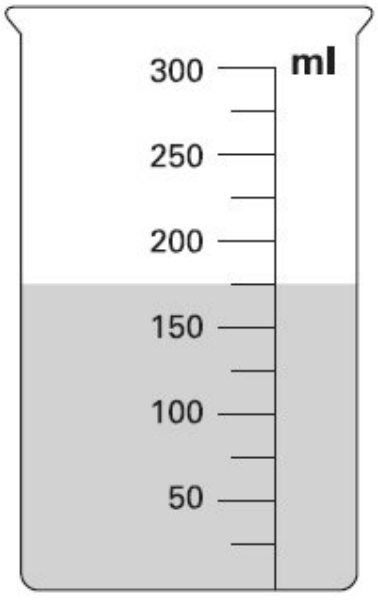


How far **in metres** did he jump on his **first** try?



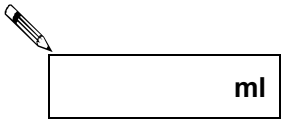
1 mark

22. David puts this amount of water in a container.



Then he pours **50 millilitres** of the water out.

How much water is left in the container?



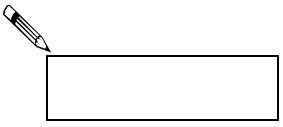
ml

1 mark

23. Parveen has the **same number** of 20p and 50p coins.

She has £7.00

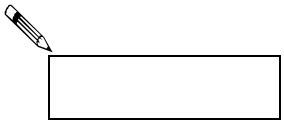
How many of **each** coin has she?



of **each** coin

1 mark

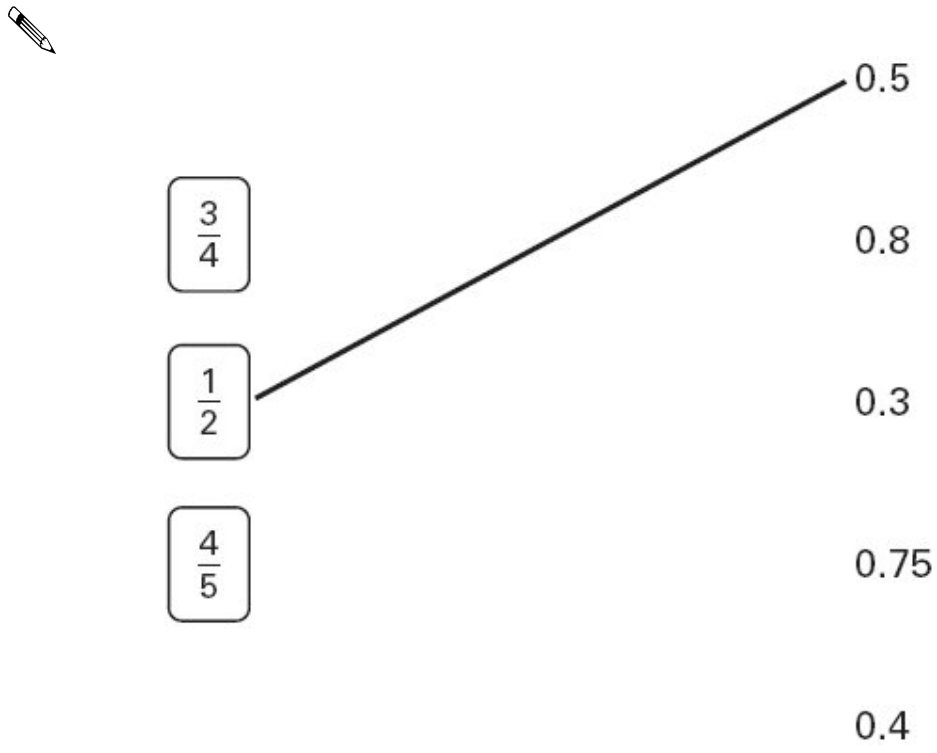
24. Calculate **8.52 – 7.78**



1 mark

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

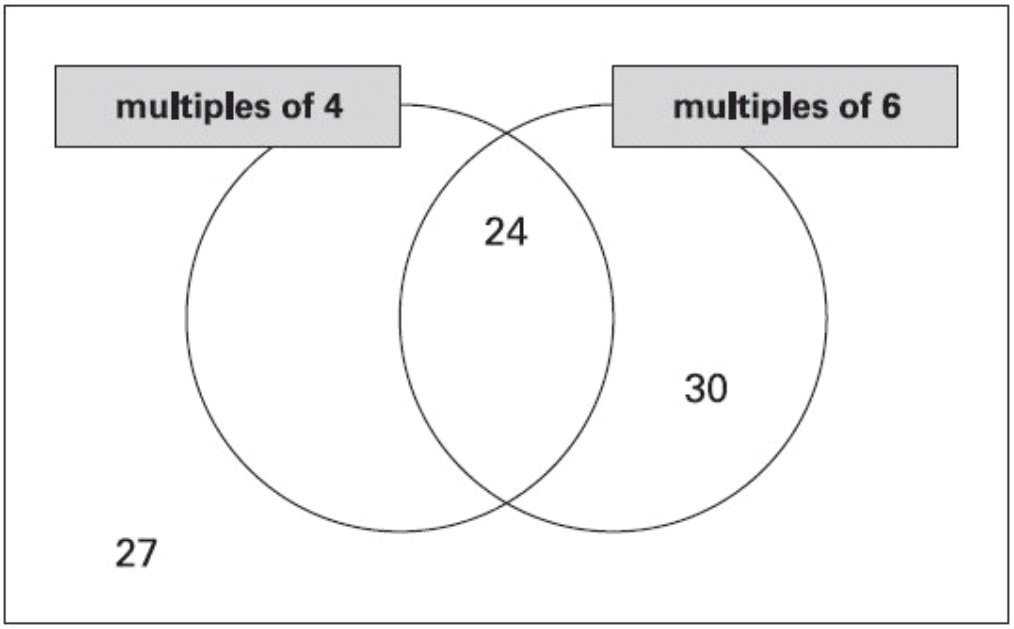
One has been done for you.



1 mark

26. Write these numbers in the correct places on this sorting diagram.

16 26 36



2 marks

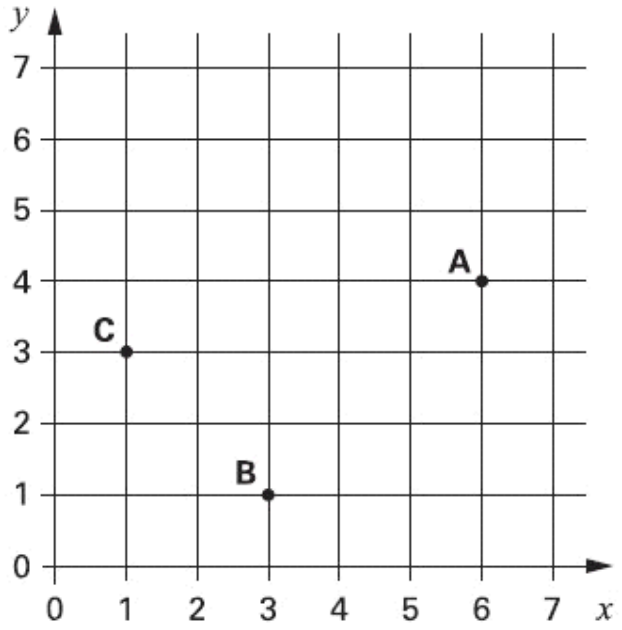
27. 4 pineapples cost £3.40

Calculate the cost of **1** pineapple.

p

1 mark

28.



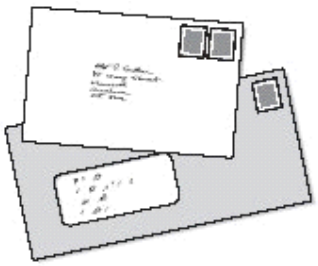
A, B and C are three corners of a rectangle.

What are the coordinates of the fourth corner?

(,)

1 mark

29. Two letters have a total weight of **120 grams**



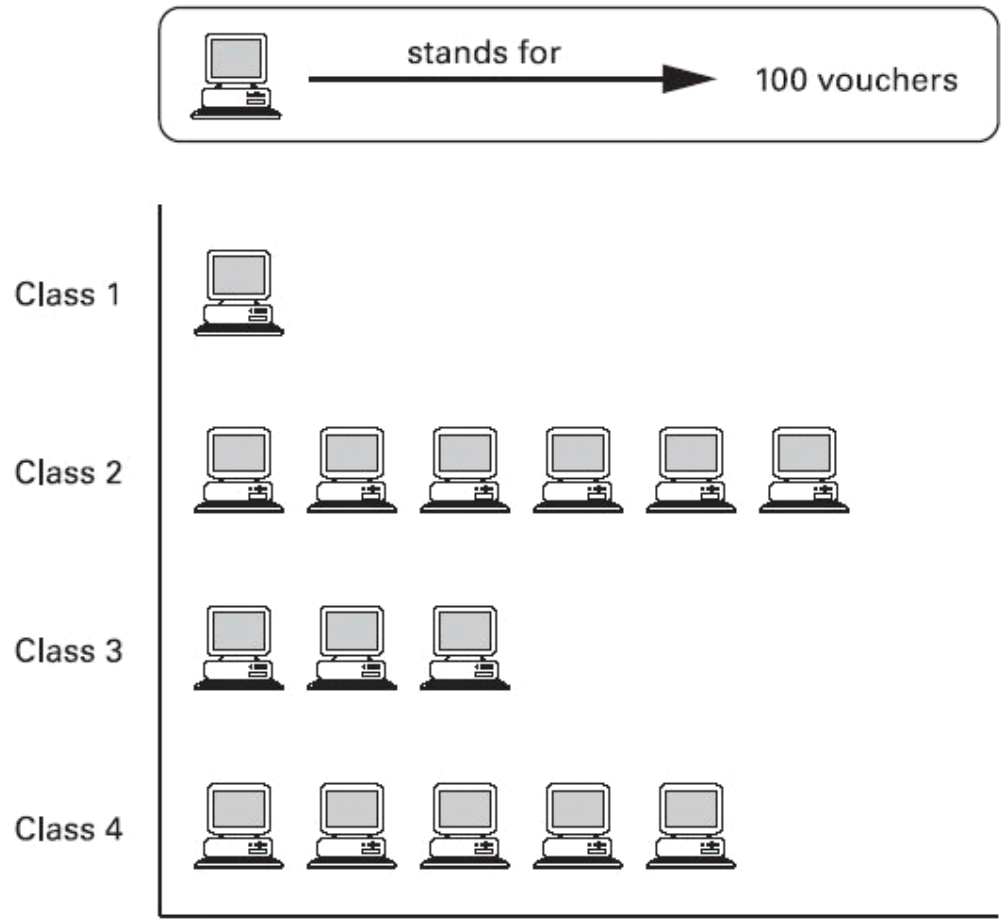
One letter weighs **twice as much** as the other.

Write the weight of the **heavier** letter.

g

1 mark

30. The children at Brook School collect computer vouchers.



Altogether, they need 10000 vouchers to get a computer.

How many **more** vouchers do they need?

vouchers

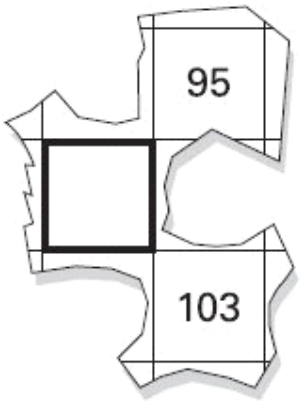
1 mark

31. Here is part of a number grid.

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

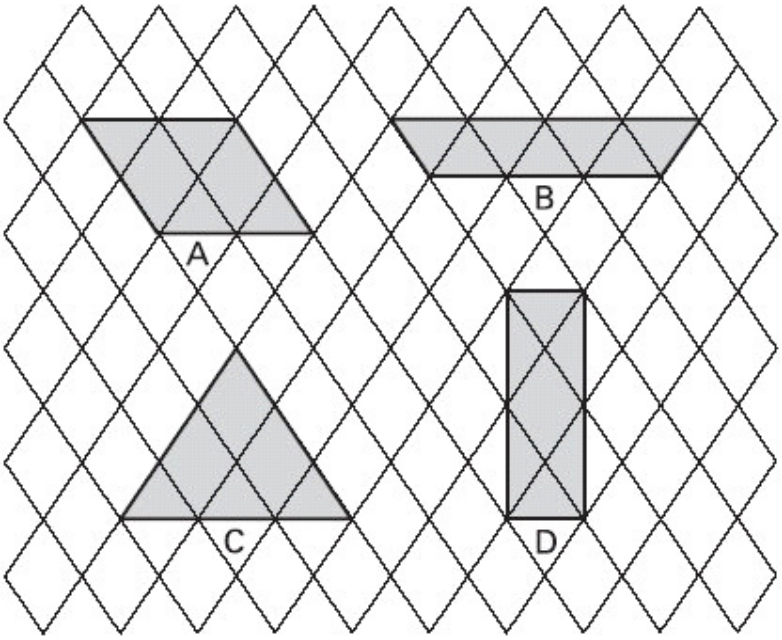
Here is another part of the **same** grid.

Write in the missing number.



1 mark

32. Here are some shapes drawn on a grid.



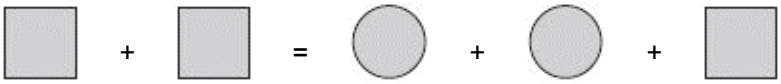
Write the letters of the **two** shapes that are equal in area.

..... and .....

1 mark

33.  and  each stand for a different number.

 = 34



What is the value of  ?

1 mark