Year 4 Maths Optional SAT

Paper A

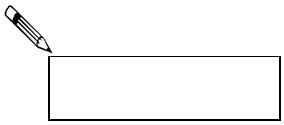
2003
35 min
35 marks

1. Practice question

Here are some numbers.

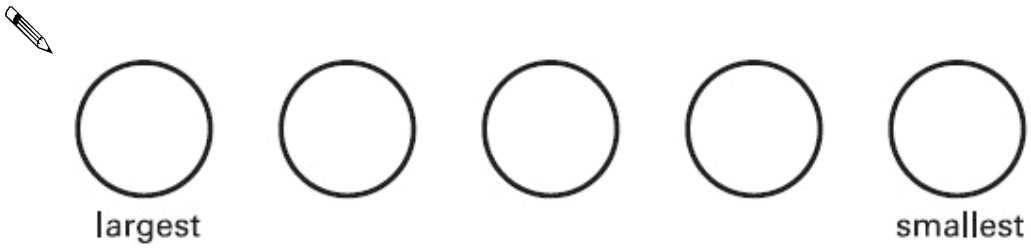
60 20 30

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



2. 209 565 450 405 124

Write these numbers in order in the circles.



1 mark

3. Look at each number sentence.

Put a tick (✓) if it is correct.
Put a cross (✗) if it is **not** correct.

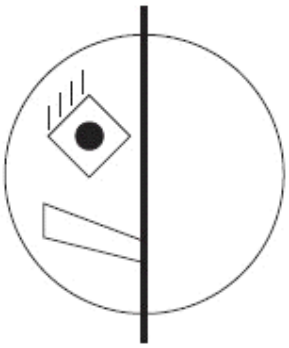
$8 \times 2 = 8 + 8$ ☐

$3 \times 10 = 3 + 3 + 3$ ☐

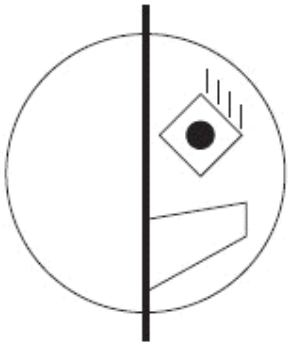
$5 \times 4 = 5 + 5 + 5 + 5$ ☐

1 mark

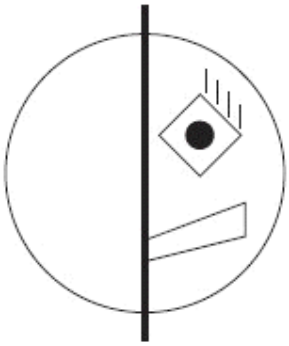
4. Here is half of a symmetrical picture.



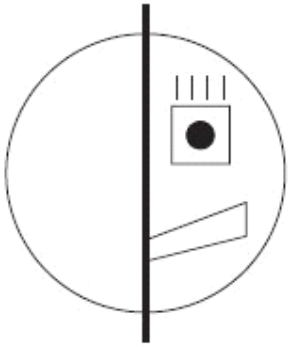
Which of these is the reflection of the picture?
Write its letter.



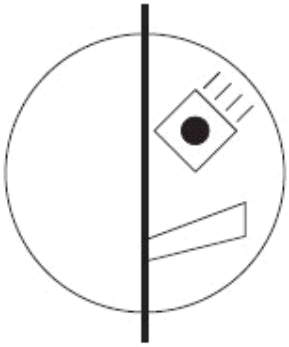
A



B



C

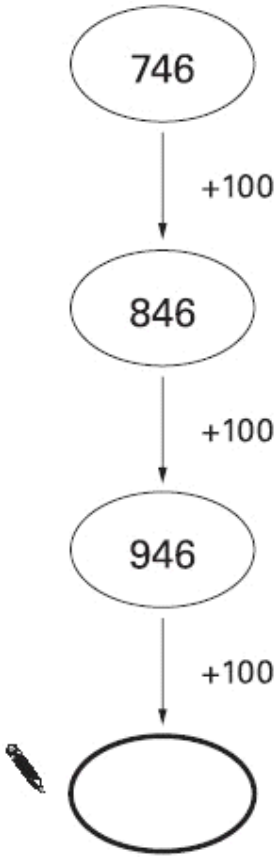


D

.....

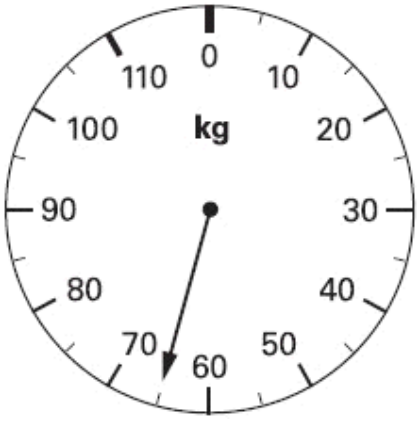
1 mark

5. Write in the missing number.



1 mark

6. This scale shows how much Mrs Patel weighs.

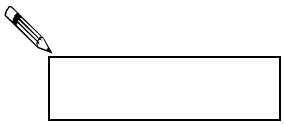


How much does Mrs Patel weigh?

kg

1 mark

7. Calculate **127 + 57**



1 mark

8. Write each letter in the correct place on the diagram.

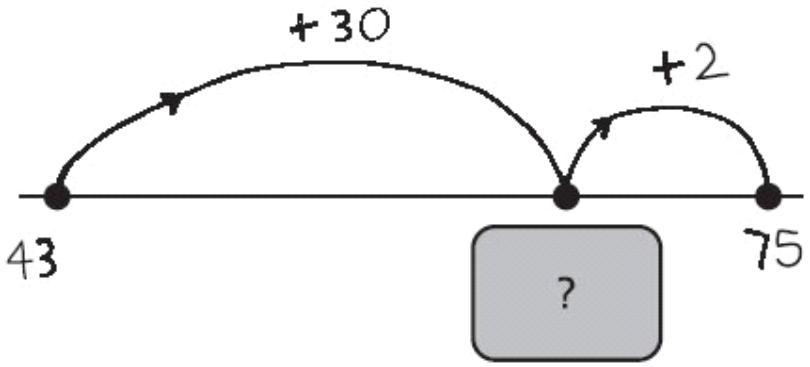
One has been done for you.

T N P S

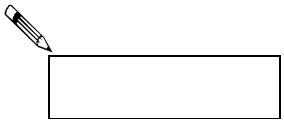
	curved lines	**no** curved lines
straight lines		
no straight lines	S	

2 marks

9. Molly drew a number line to find the answer to **43 + 32**



What number is hidden under the card?

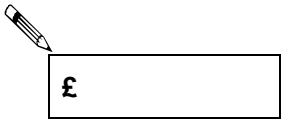


1 mark

10. Chen has **£9.10**

He wants to buy a game which costs **£11.50**

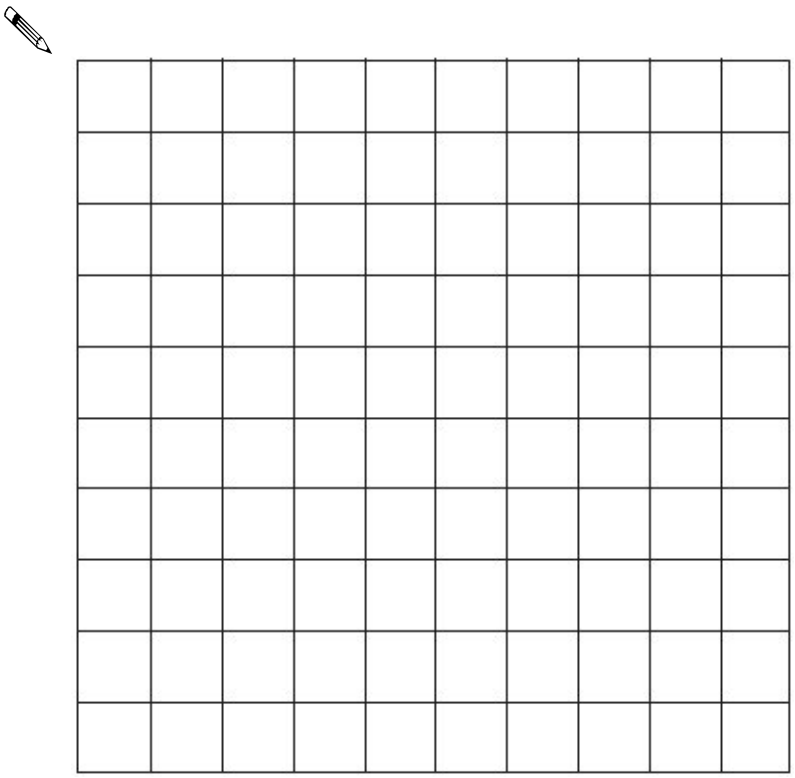
How much **more** does he need to save?



1 mark

11. Here is a centimetre grid.

Draw a **rectangle** whose **longer sides** are **6cm**



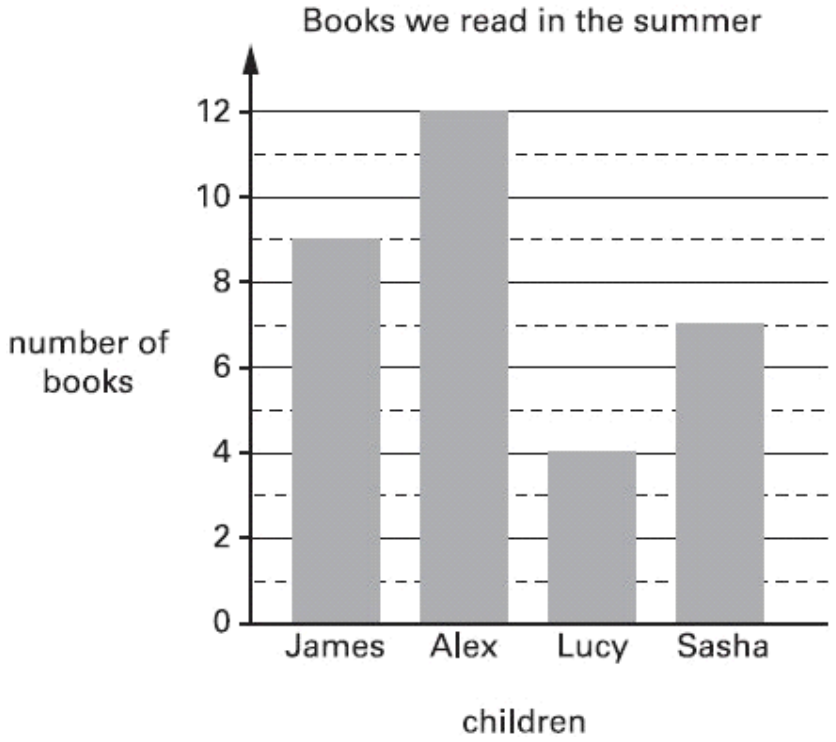
1 mark

12. Ryan collects 2 comics each month for a whole year.

How many comics does he collect in a year?

1 mark

13. This graph shows the number of books some children read.



How many more books did James read than Lucy?

books

Which two children read **between 5** and **10** books?

..... and .....

2 marks

14. Here is a multiplication.

$$6 \times 10 = 60$$

Write a **division** which uses these **same 3 numbers**.

1 mark

15. Zinzi has a rod **15** cubes long.

She breaks it into two pieces.

One piece is **1** cube longer than the other.

How many cubes are in **each** piece?

_____ **cubes** and _____ **cubes**

1 mark

16. **Two** of these sentences could be true.

Tick (✓) the **two** sentences that could be true.

Adam's pencil is **12 centimetres** long. ☐

Leah is **12 metres** tall. ☐

Jake's glass holds **12 litres** of milk. ☐

Kate's younger sister weighs **12 kilograms**. ☐

1 mark

17. Draw **another** line **3cm longer** than this line.

Use a ruler.

1 mark

18. Calculate **123 – 89**

1 mark

19. Here are two signs.

<	>

Use the signs to make these correct.

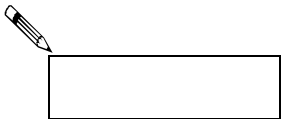
52		17
19		91
50		34

1 mark

20. Here are some numbers.

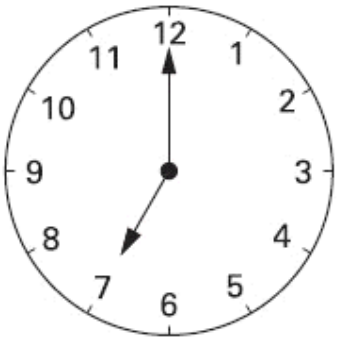
246 367 458

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

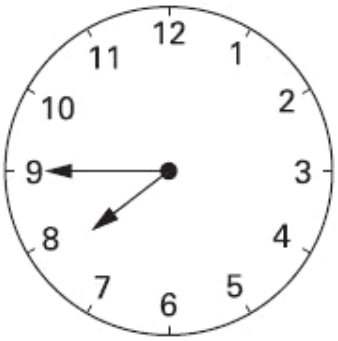


1 mark

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

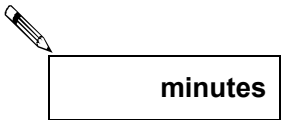


start



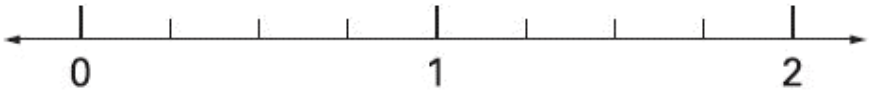
finish

For how many minutes does the programme last?



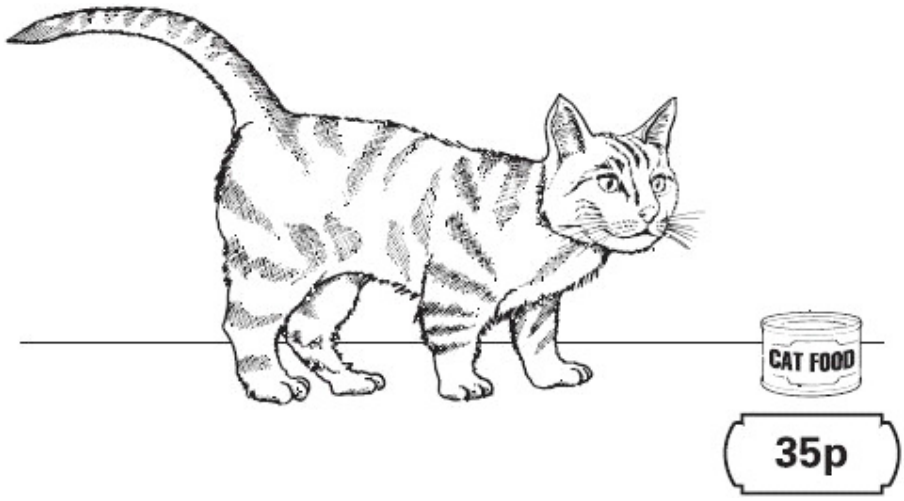
1 mark

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



1 mark

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



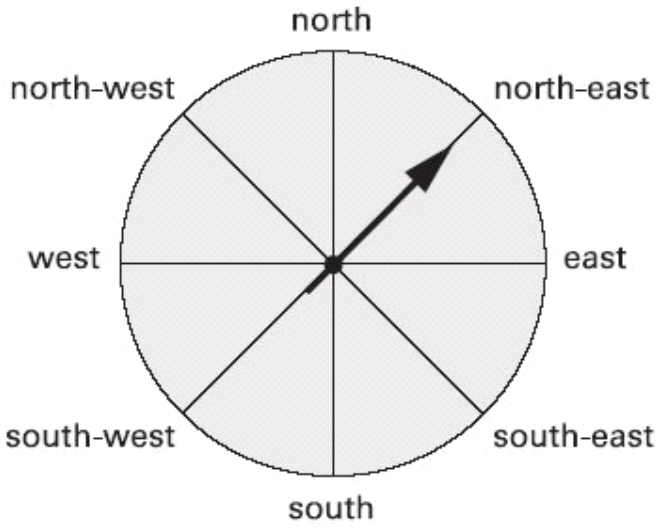
How much does it cost to feed Sarah's cat for **7** days?

Show your **working.** You may get a mark.

£

2 marks

24. 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?

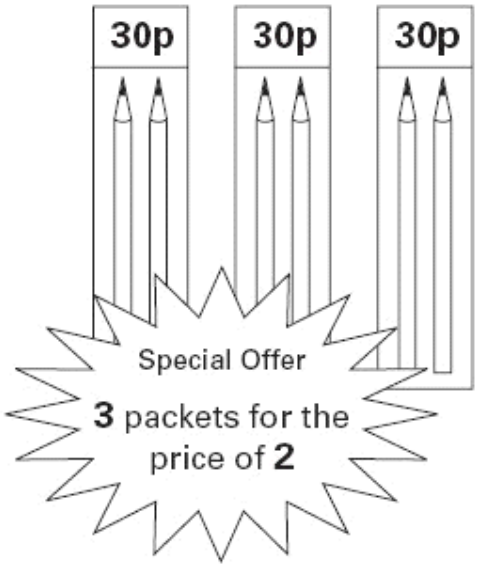
..... 1 mark

25. 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

26. 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.

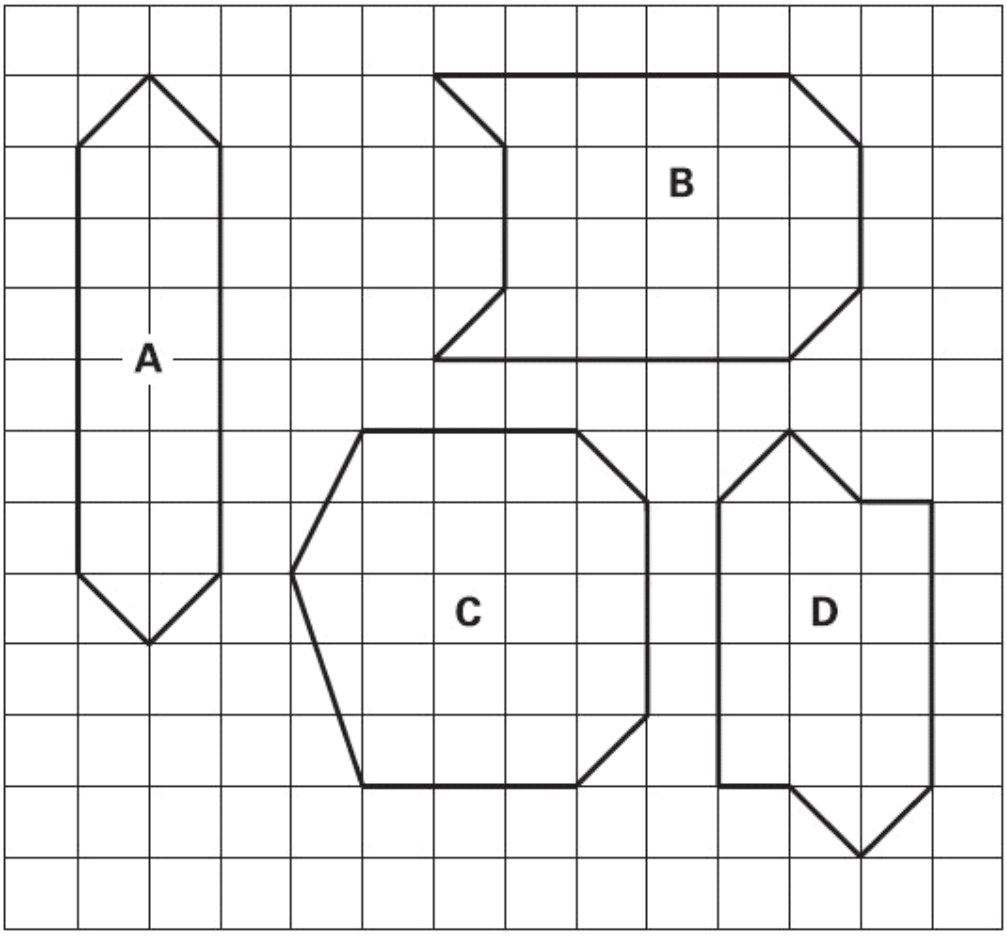
.....

.....

.....

1 mark

27. 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**		✓

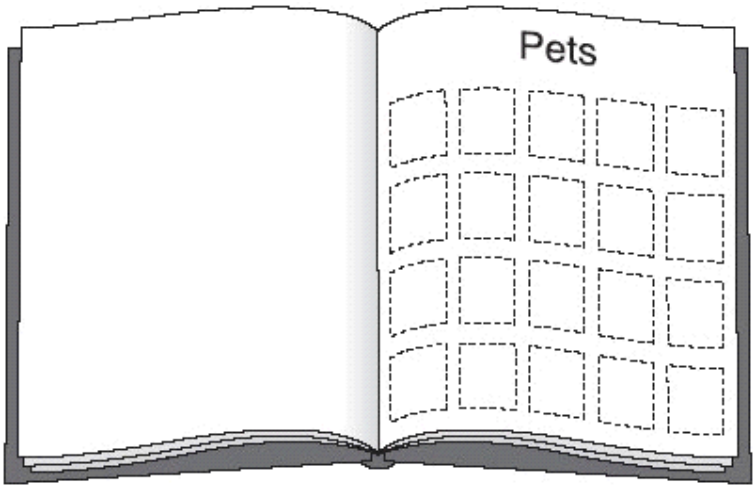
1 mark

28. Write in the missing digits.

1		7	+	6		=	2	0	0

1 mark

29. 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

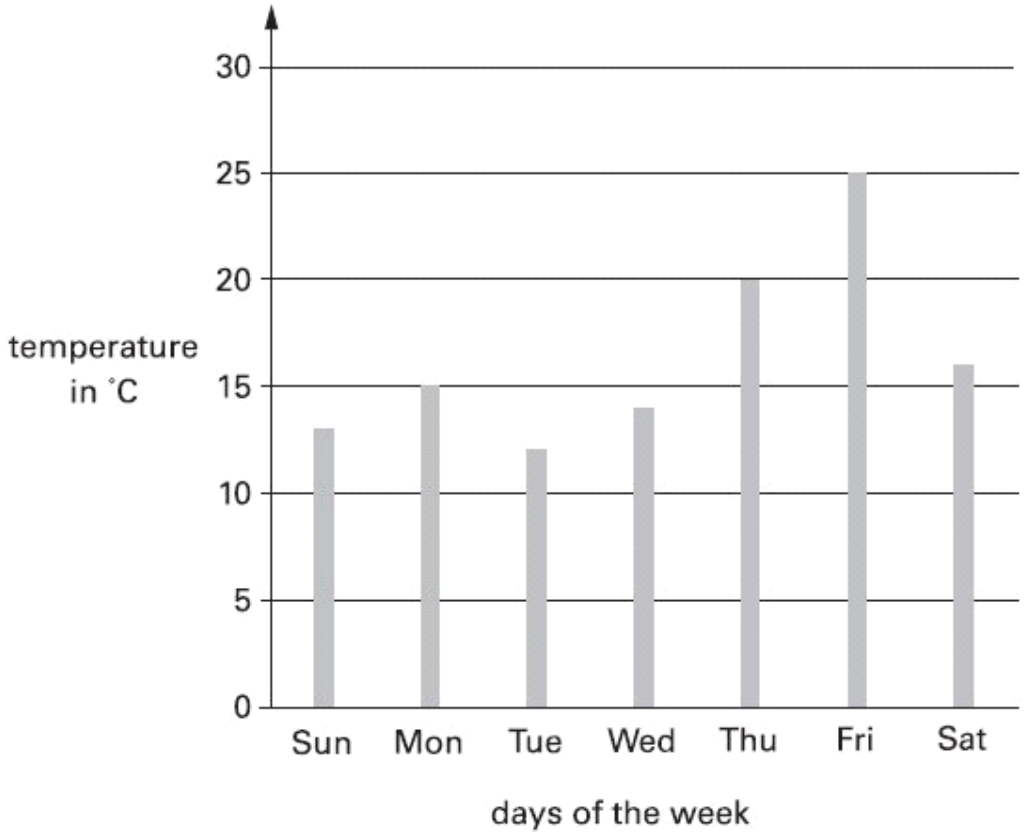
1 mark

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

remainder

1 mark

31. 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

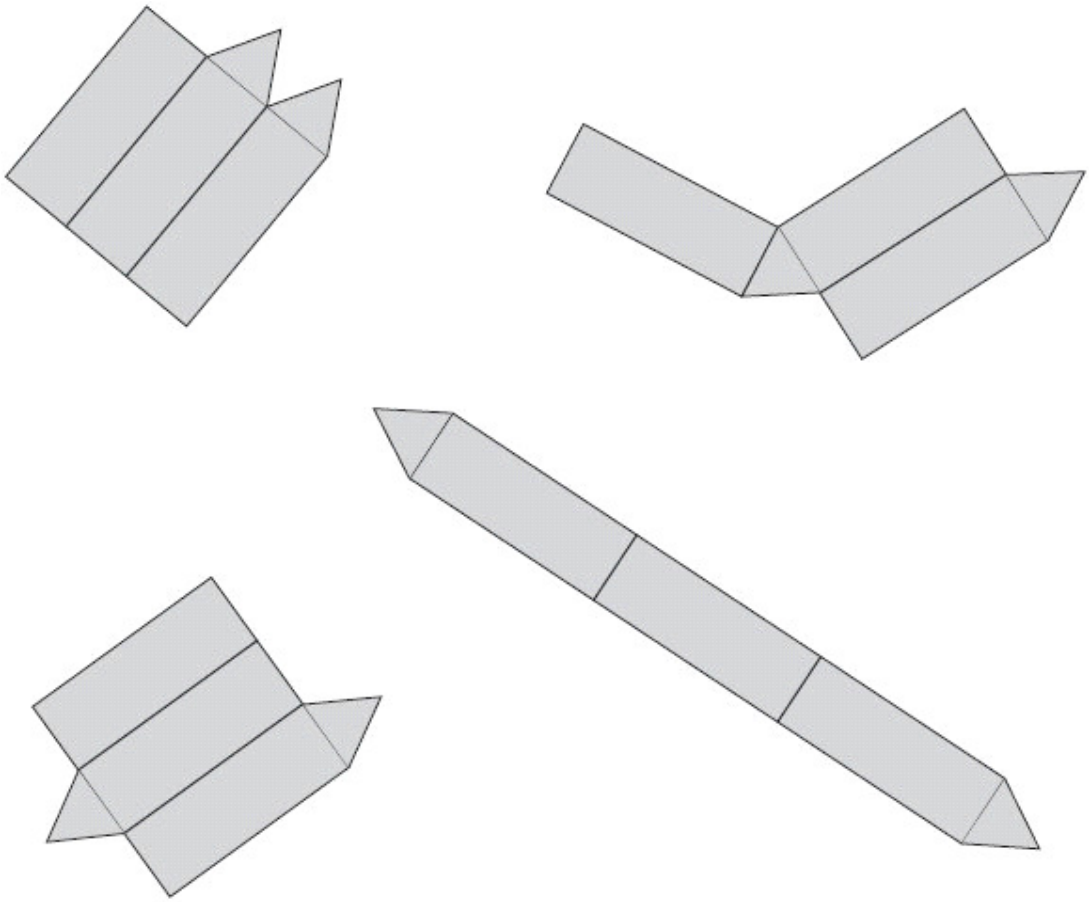
32. Write in the missing number.

$\square \times 4 = 96$

1 mark

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

Put a tick (✓) in them.



1 mark