Name_____ Date_____

Mathematics – Mark Scheme
Paper A

Calculator not allowed.
45 minutes

1. Write in the missing number.

¾

762

↓ +100

862

↓ +100

962

↓ +100

1062
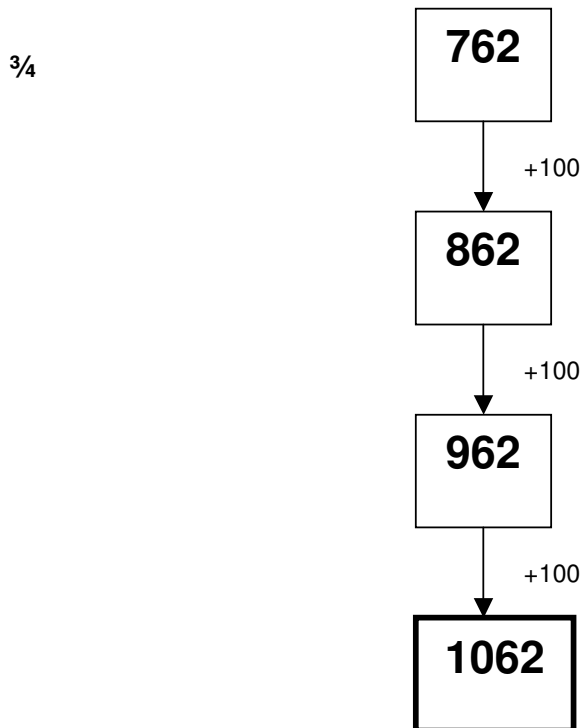
1 mark

2. Calculate 467 + 78

545

1 mark

3. **Here is part of a calendar.**

May

Mon	Tues	Wed	Thur	Fri	Sat	Sun
		1	2	3	4	
6	7	8	9	10		
13	14	15				
20	21	22				
27	28					

Kate's birthday is on the 19ᵗʰ May.
On what day of the week is Kate's birthday?

Sunday

1 mark

4. **Here are four shapes.**
They each have a different number of right angles.
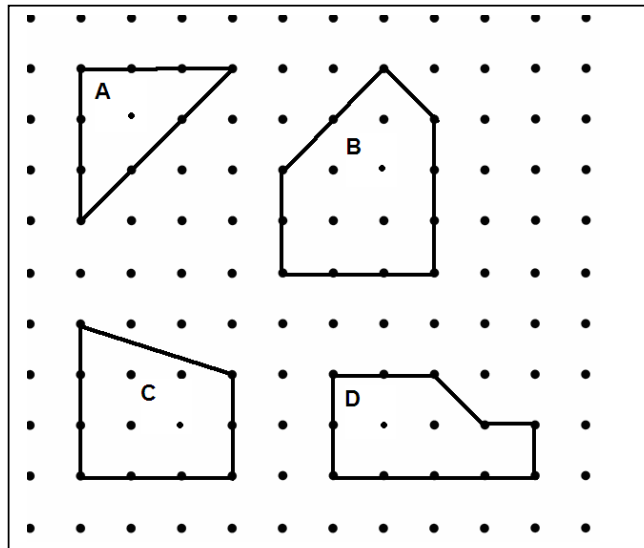
Write the letter for each shape in the correct order.
One has been done for you.

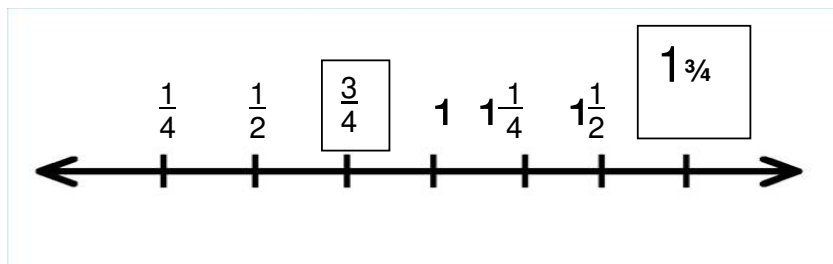fewest
right angles

most
right angles

A	C	B	D

1 mark

5. **Calculate 144 – 76**

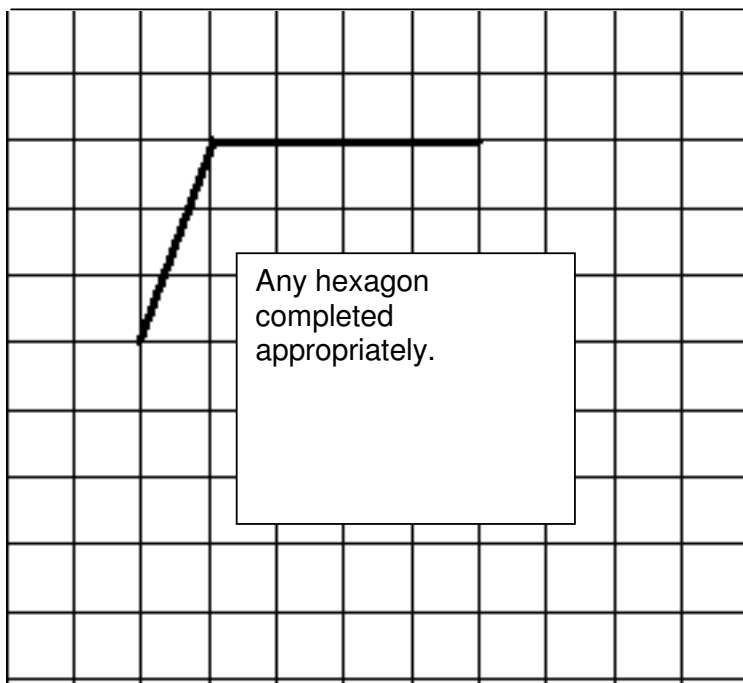$$\boxed{68}$$

1 mark

6. **Write the two missing numbers on this number line.**

1 mark

7. **The lines drawn on the grid are two sides of a hexagon.**
    Complete the hexagon.
    Use a ruler.

Any hexagon completed appropriately.

1 mark

8. Here are four digit cards.

$$3 \quad 5 \quad 7 \quad 4$$

Use each of the digits <u>once</u> to make a <u>total that is a multiple of 5.</u>

57 + 43
or 43 + 57

$$\square\square \; + \; \square\square$$

1 mark

9. Here is a sorting diagram showing the items two clothes shops sell.

	Stylebuy sells	**Stylebuy does not sell**
Cool Look sells	**Jeans** **Shirts**	**Jewellery** <u>**hats**</u> **Baby Clothes**
Cool Look does not sell	**Shoes** **Sandals**	**Suits**

Table completed as here

Write the items which Stylebuy sells but Cool Look does not sell.

.............shoes.................. and ....sandals................
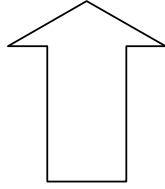
1 mark

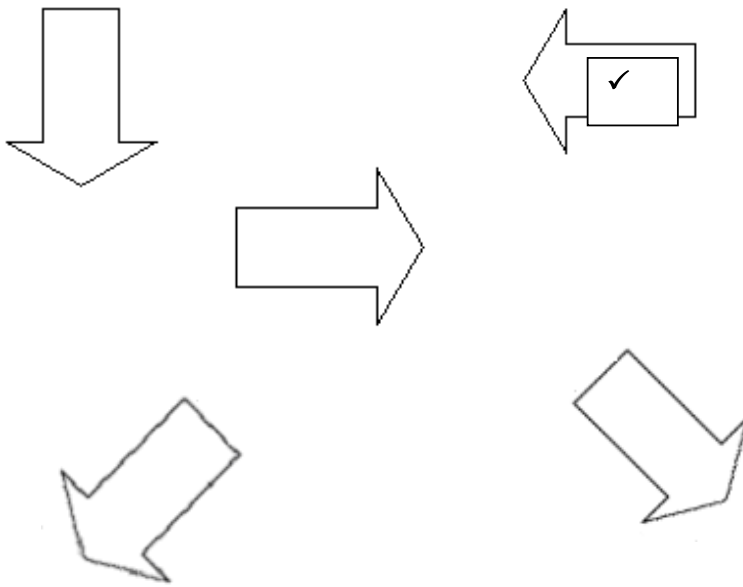**Stylebuy does not sell hats but Cool does.**

Write <u>hats</u> in the correct place in the sorting diagram.

1 mark

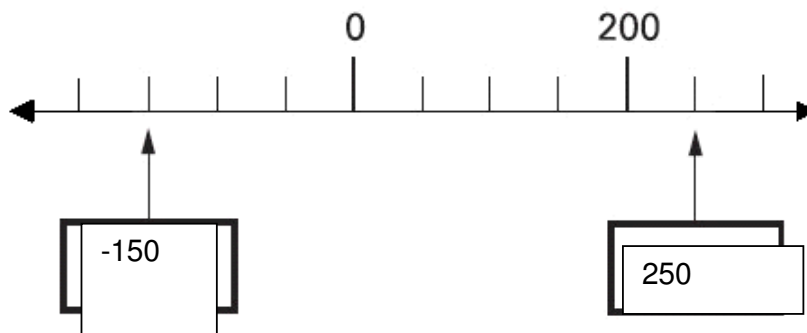**9. Here is an arrow.**

**The arrow is rotated 90° <u>anticlockwise</u>.
In which direction does the arrow now point?
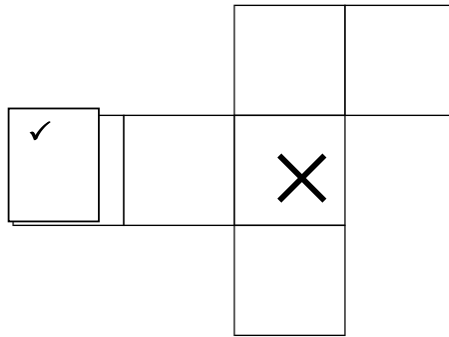Put a tick (✓) in the correct arrow.**

1 mark

**11. Here is part of a number line.
Write the missing numbers in the boxes.**

-150

250

1 mark

5

12. Here is a net of a cube. There is a cross on its base.
    Put a tick (✓) on its top.
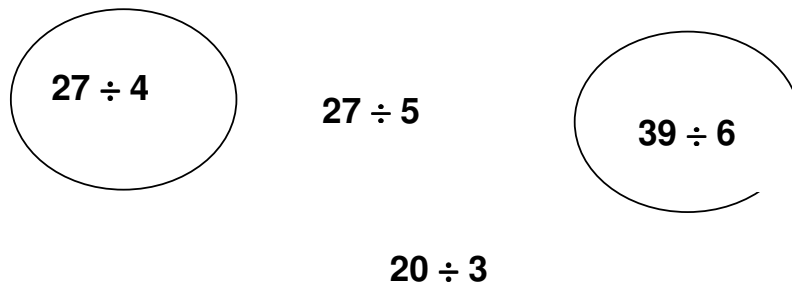
1 mark

13. Here are four digit cards.

| 4 | 9 | 3 | 5 |

Use two of the number cards to make the number on this number line.

0   800

3 9 0
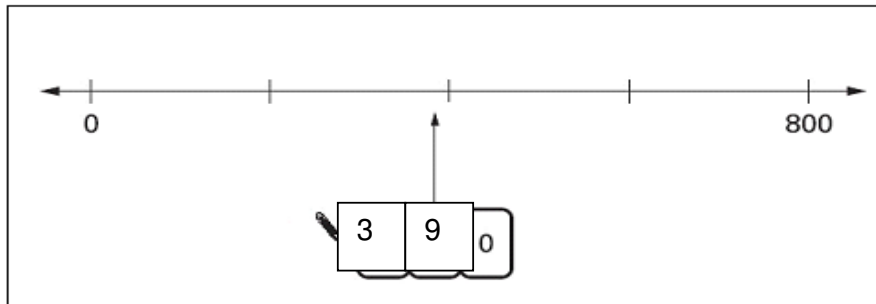
1 mark

14. Circle the two divisions which have an answer of 6 remainder 3.

27 ÷ 4   27 ÷ 5   39 ÷ 6

20 ÷ 3

1 mark

15. Here is a scale. Some of the numbers are missing.
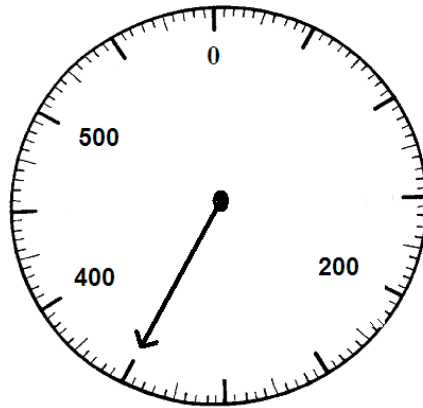
What number is the arrow pointing to?

350

1 mark

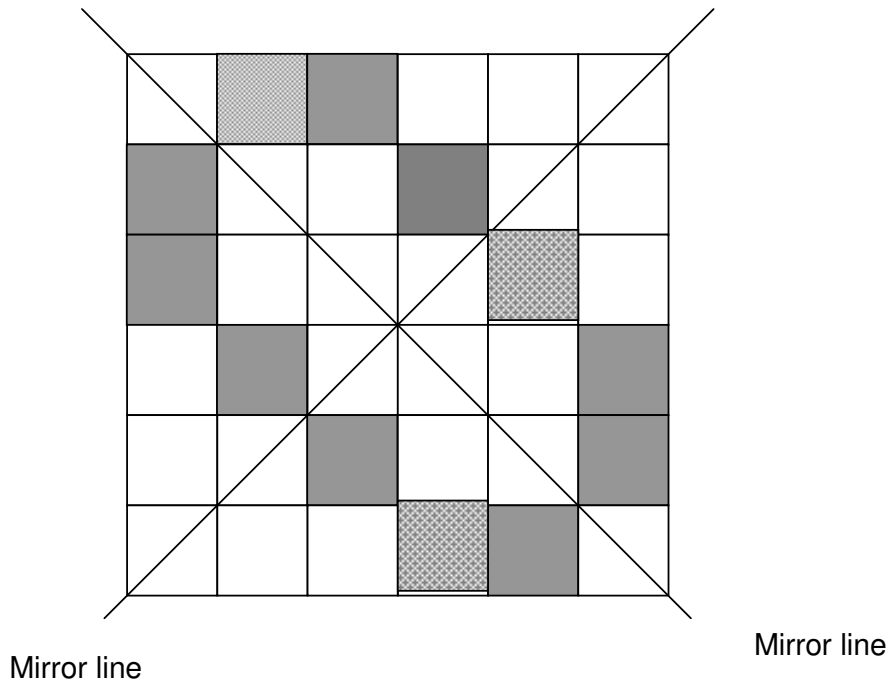**16. Calculate 7348 – 2739**

4609

1 mark

17. Here are some square counters
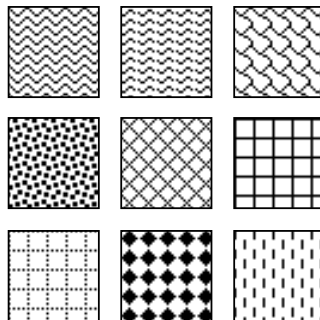
Joseph takes away 2 counters. Hannah takes away 3 counters.
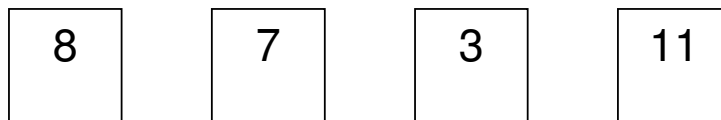**What <u>fraction</u> of the counters remains?**

$\frac{4}{9}$

1 mark

18. Here is a shaded square on a grid.
Shade in 3 more squares so that the design is symmetrical in both
mirror lines.
Completed as below

Mirror line   Mirror line

1 mark

19. Here are four number cards.

| 8 | 7 | 3 | 11 |

Which two numbers are factors of 48?

8   **and**   3

1 mark

20. Molly and Bethany both buy 20 cartons of juice.

5 cartons for £2.50

Molly buys 4 packs of 5 cartons.

10 cartons for £4.50

Bethany buys 2 packs of 10 cartons.

Who paid the least money? Tick (✓) the correct box.

✓ **Bethany** ☐ **Molly**

Explain how you know…………………………………………
Shown that Molly spends 4 x £2.50 = £10, Bethany spends 2 x £4.50 =
£9. £9 is less than £10

21. Write the same number in each box to make this correct.

5.5 **+** 5.5 **+** 5.5 **= 16.5**

1 mark

22. Measure <u>angle A</u> correctly.

Use a protractor (angle measurer).
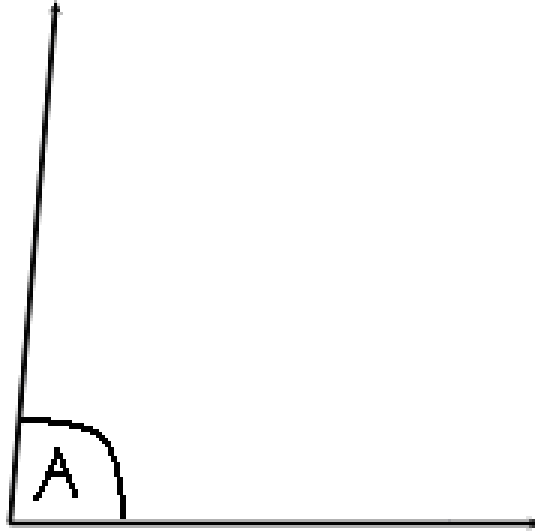
Angle A = | 85   degrees |

Allow 2 degrees either way.   **1 mark**
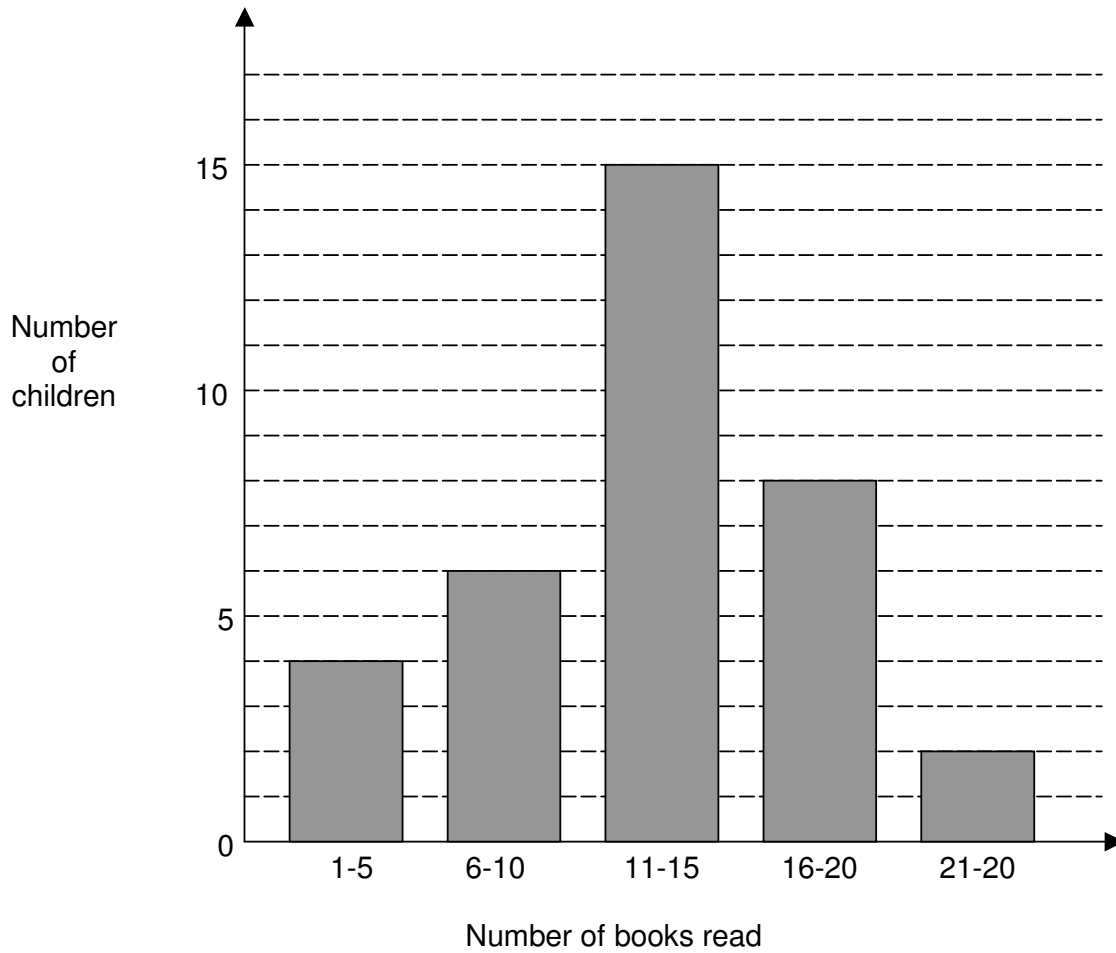
23. Calculate 861 ÷ 7

| 123 |

1 mark

24. This is a graph to show the number of books read by children over the summer holidays.

How many children read 16 books or more?

| 10 |

1 mark

25.

> **School Bingo**
>
> Entrance Fee
>
> Adults 80p
>
> Children 50p

100 adults and 80 children pay to get in.

How much money do they pay altogether?

Show your working and you may get a mark

100 x 80 = £80

80 x 50 = £40

£80 + £40 = £120 for 2 marks. If correct answer and no working, award 2 marks. If incorrect answer, but evidence of above working , award 1 mark.

£120

2 marks

26.   Here is a part of a train timetable.

DESTINATION	Time
Sutton	16:58
Mitcham Junction	17:35
Morden South	17:55
Wimbledon	18:16

How long does it take to get from Sutton to Morden South?

57   minutes

1 mark

27. Write these numbers in order, lowest to highest

5.2   5.32

5.22

5   5.02

5	5.02	5.2	5.22	5.32

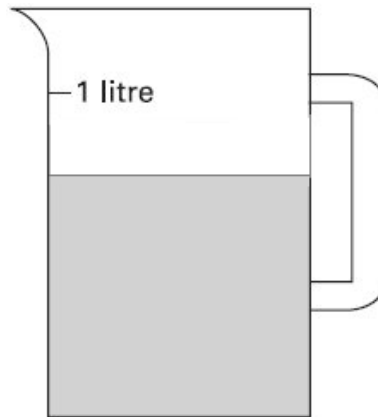**Lowest**   **Highest**

1 mark

28. Megan poured some water out of a <u>litre</u> jug.
   Look how much is left in the jug.
   <u>Estimate</u> how many millilitres of water are left.

— 1 litre

750 ml

1 mark
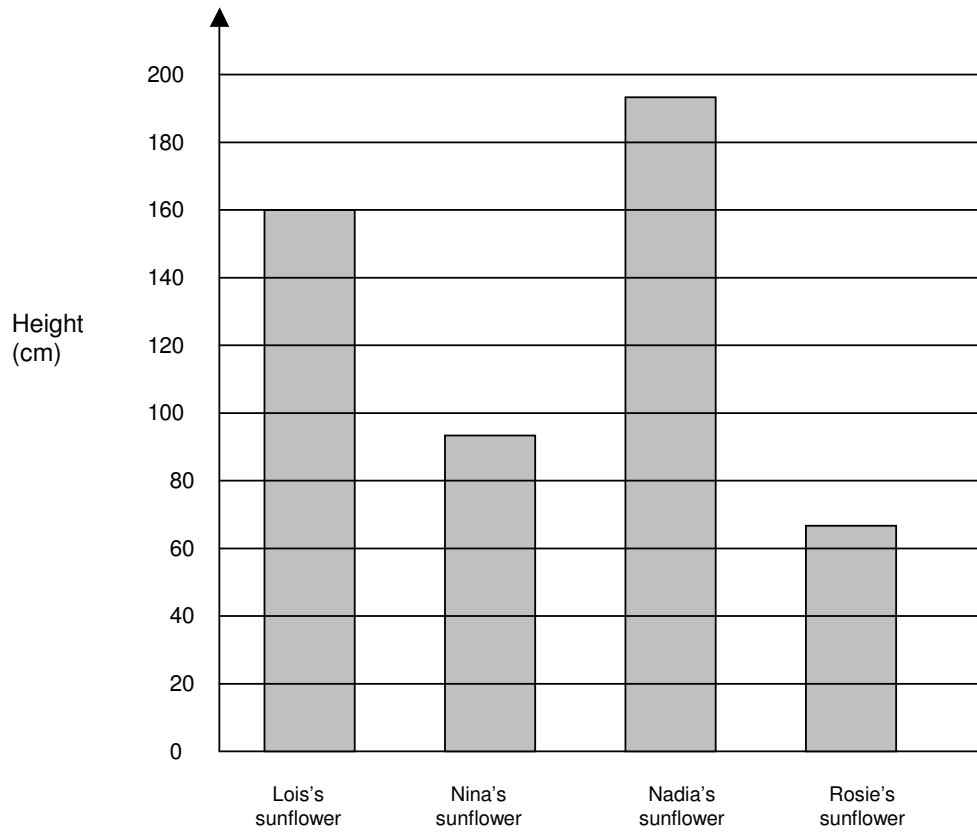
29. Calculate 48 x 36

Award 2 marks for correct answer. If evidence of 40 x 30,
40x 6, 30 x 80 and 6 x 8, but incorrect answer, award 1 mark.

1728

2 marks

30. Some children grew sunflowers.

The graph shows their heights.

Height (cm)

200	
180	
160	
140	
120	
100	
80	
60	
40	
20	
0	

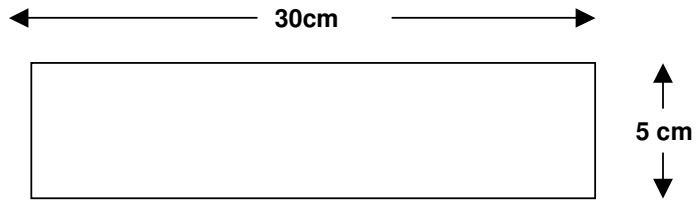Lois's sunflower   Nina's sunflower   Nadia's sunflower   Rosie's sunflower

Estimate how much taller Lois's sunflower is than Rosie's

Allow 92 – 96 cm

92   cm

1 mark

31. Anna has rectangular tiles like this.

← **30cm** →

↕ **5 cm**

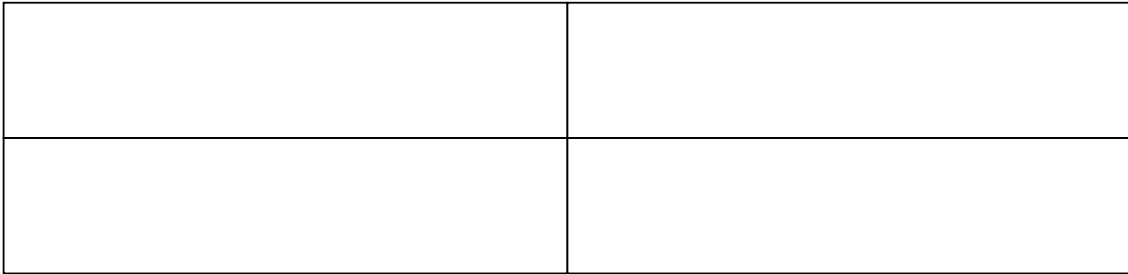**not to scale**

She makes a larger rectangle using 4 of the tiles.

What is the <u>area</u> of the larger rectangle?

600   cm²