

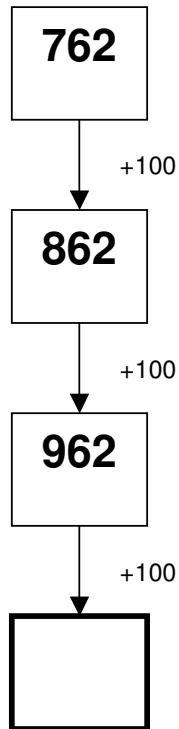
Name \_\_\_\_\_ Date \_\_\_\_\_

**Satspapers.org**  
**2012 Year 5 Optional SATs Test**

**Mathematics**  
**Paper A**

Calculator not allowed.  
45 minutes

1. Write in the missing number.



**1 mark**

2. Calculate  $467 + 78$

**1 mark**

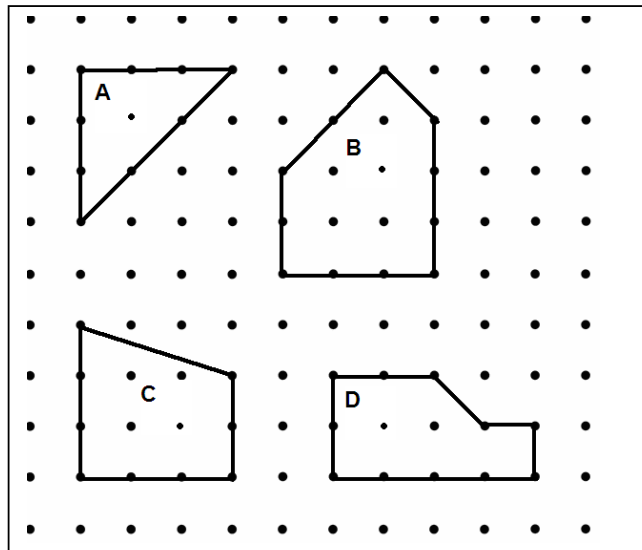
3. Here is part of a calendar.

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 19<sup>th</sup> May.  
On what day of the week is Kate's birthday?

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.

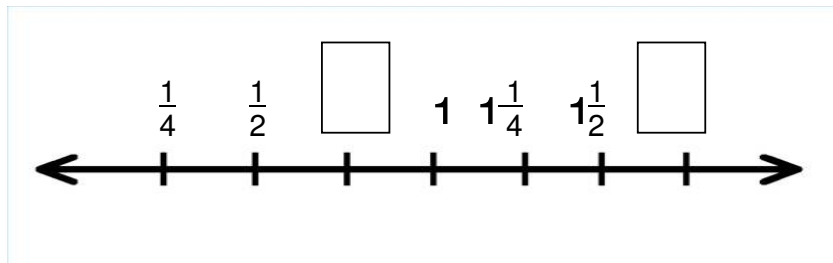
fewest right angles			most right angles
<b>A</b>			

1 mark

5. Calculate  $144 - 76$

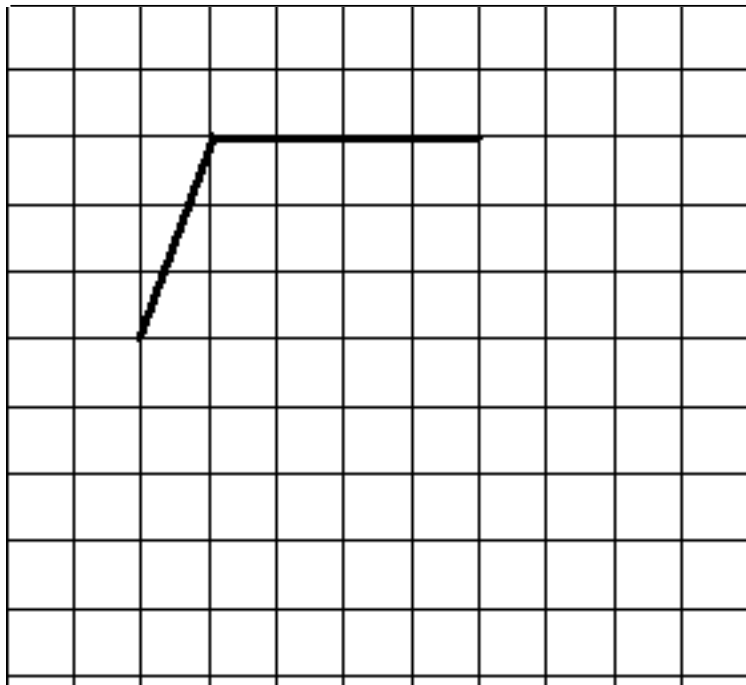
1 mark

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.



1 mark

8. Here are four digit cards.



Use each of the digits once to make a total that is a multiple of 5.



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  Baby Clothes
Cool Look does not sell	Shoes  Sandals	Suits

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

..... and .....

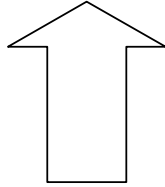
1 mark

Stylebuy does not sell hats but Cool does.

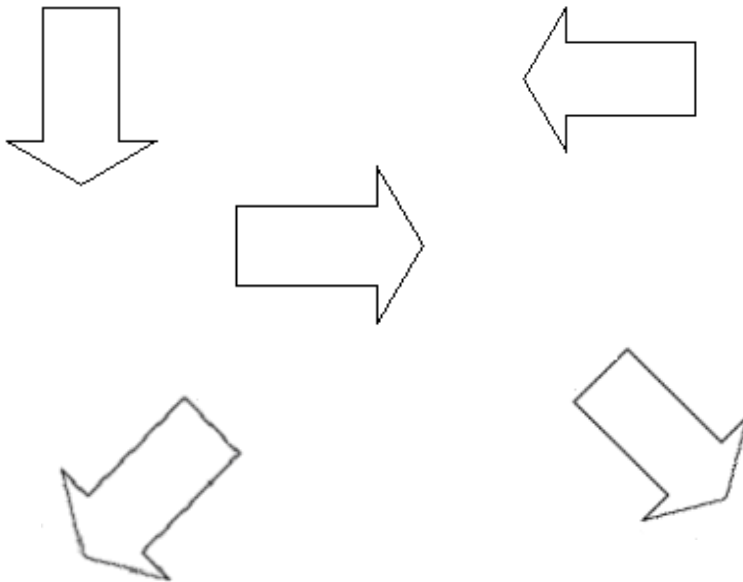
Write hats in the correct place in the sorting diagram.

1 mark

9. Here is an arrow.

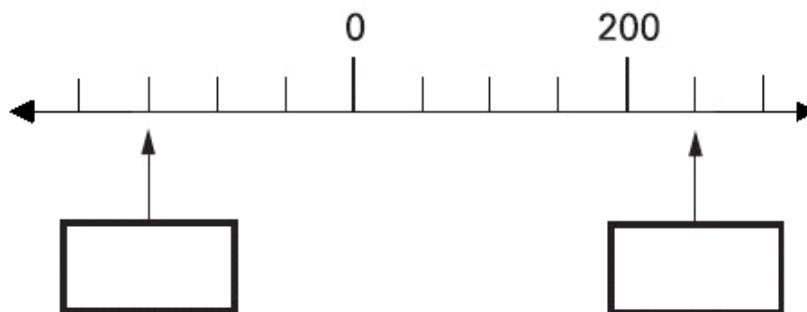


The arrow is rotated  $90^\circ$  anticlockwise.  
In which direction does the arrow now point?  
Put a tick (✓) in the correct arrow.



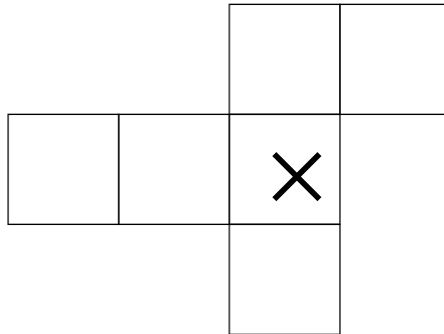
1 mark

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



1 mark

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

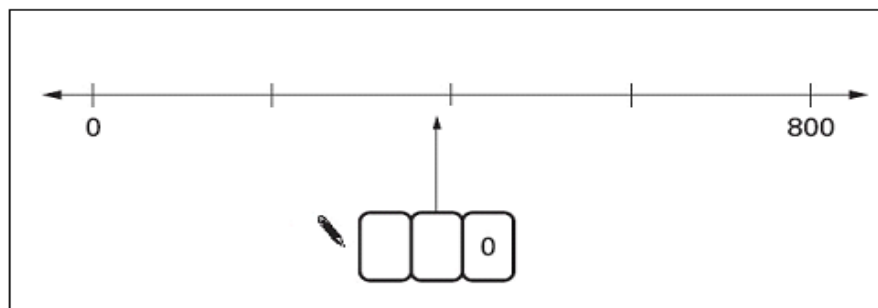


1 mark

13. Here are four digit cards.



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



1 mark

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

$$27 \div 4$$

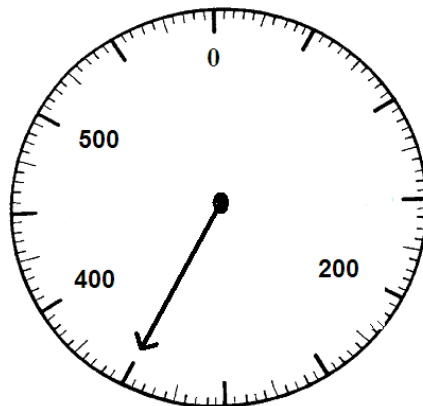
$$27 \div 5$$

$$39 \div 6$$

$$20 \div 3$$

1 mark

15. Here is a scale. Some of the numbers are missing.



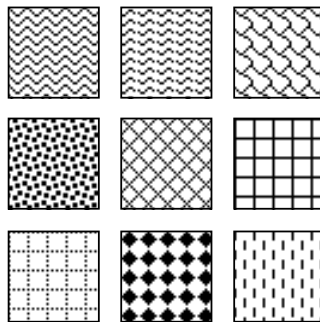
What number is the arrow pointing to?

1 mark

16. Calculate  $7348 - 2739$

1 mark

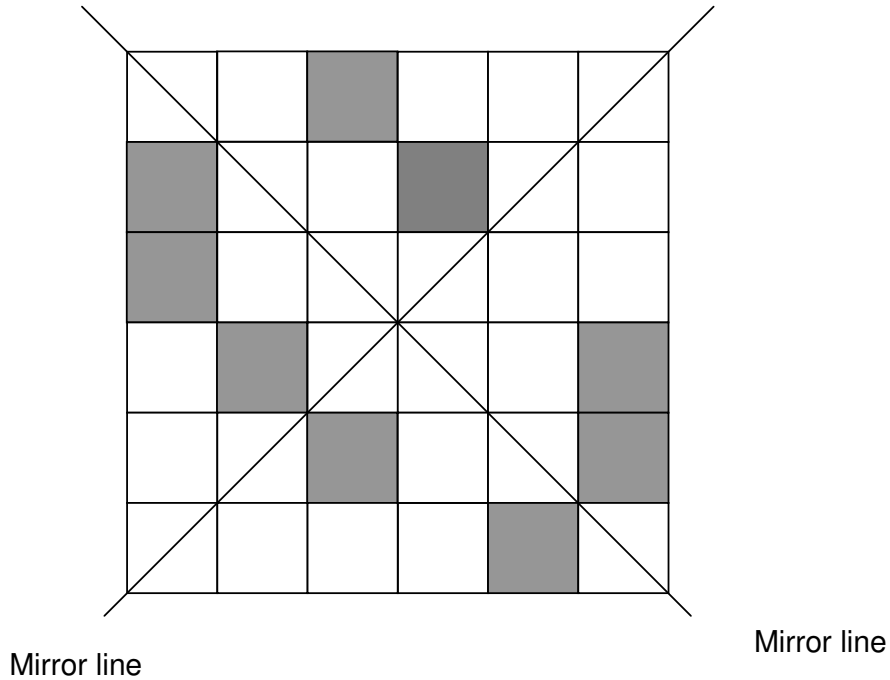
17. Here are some square counters



Joseph takes away 2 counters. Hannah takes away 3 counters.  
What fraction of the counters remains?

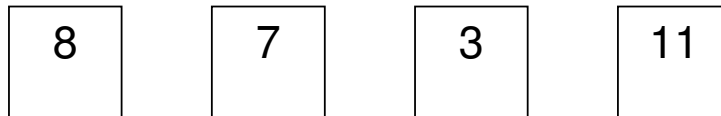
1 mark

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



1 mark

19. Here are four number cards.



Which two numbers are factors of 48?

and

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.

.....

.....

.....

.....

.....

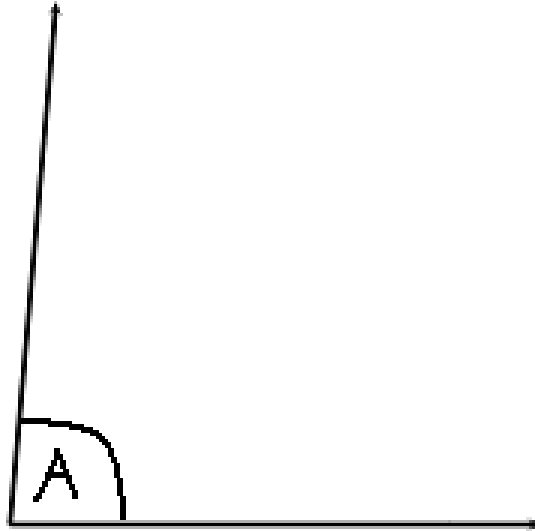
21. Write the same number in each box to make this correct.

$$\boxed{\phantom{00}} + \boxed{\phantom{00}} + \boxed{\phantom{00}} = 16.5$$

1 mark

22. Measure angle A correctly.

Use a protractor (angle measurer).



Angle A =

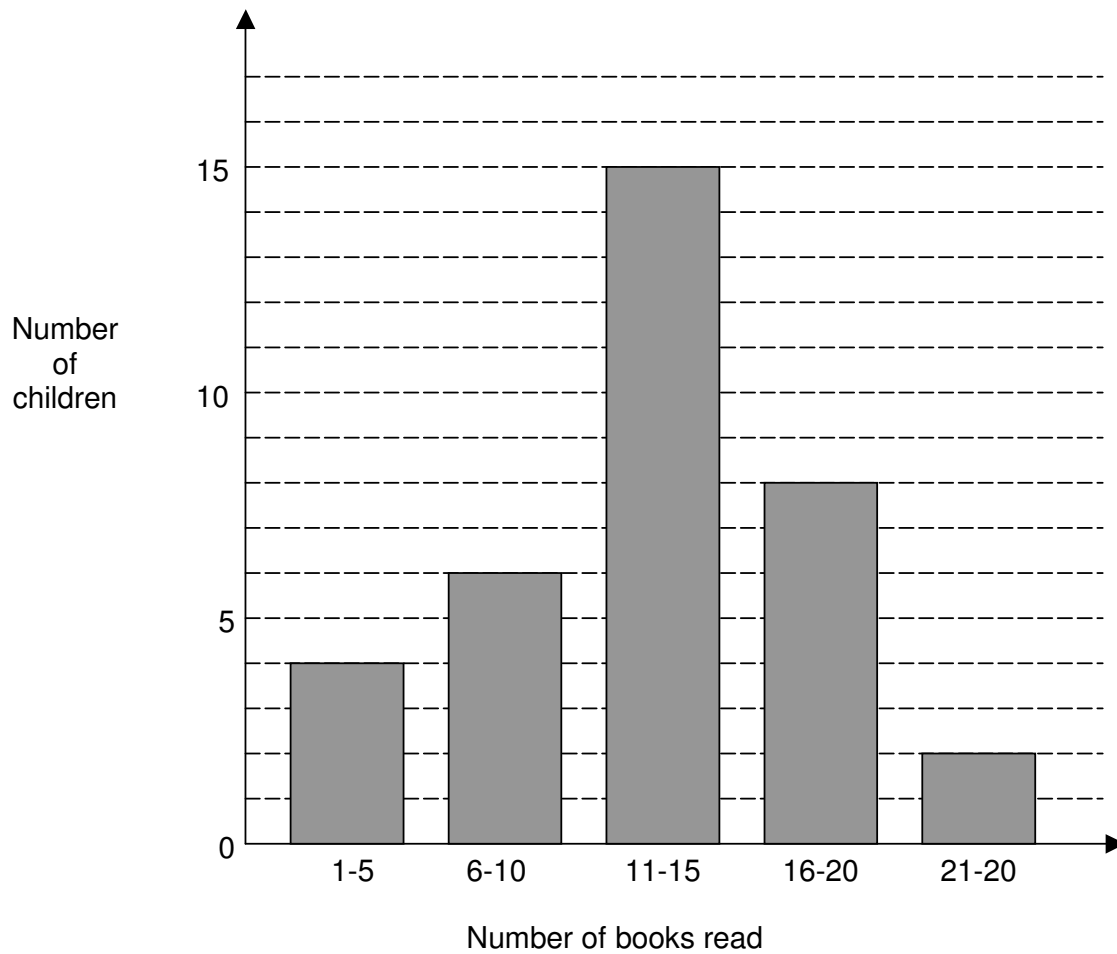
degrees

1 mark

23. Calculate  $861 \div 7$

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?**

**1 mark**

25.

<b>School Bingo</b>
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

£

2 marks

26. Here is a part of a train timetable.

<b>DESTINATION</b>	<b>Time</b>
<b>Sutton</b>	<b>16:58</b>
<b>Mitcham Junction</b>	<b>17:35</b>
<b>Morden South</b>	<b>17:55</b>
<b>Wimbledon</b>	<b>18:16</b>

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

minutes

1 mark

27. Write these numbers in order, lowest to highest

5.2

5.32

5.22

5

5.02

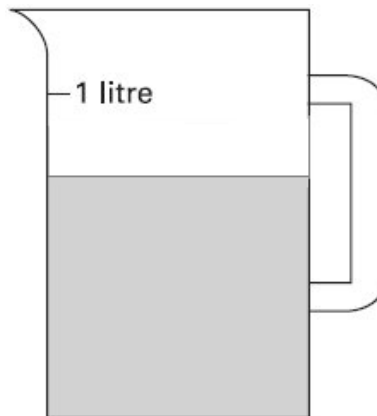
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Lowest

Highest

1 mark

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




1 mark

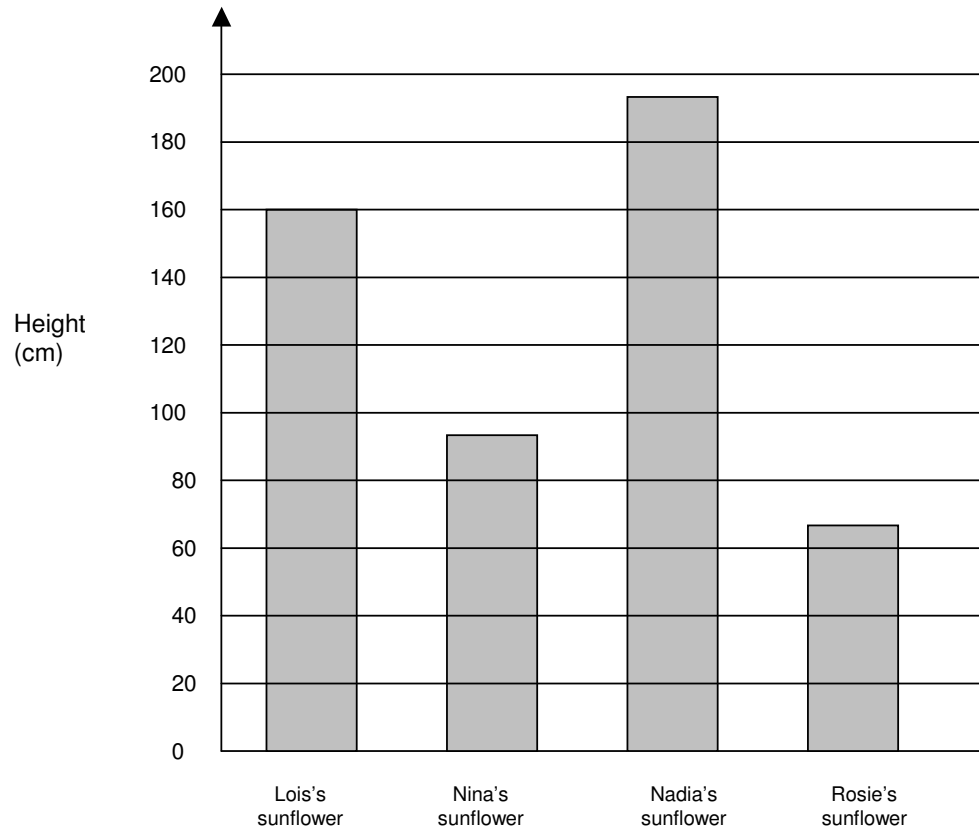
29. Calculate  $48 \times 36$

Show your working and you may get a mark

2 marks

**30. Some children grew sunflowers.**

The graph shows their heights.

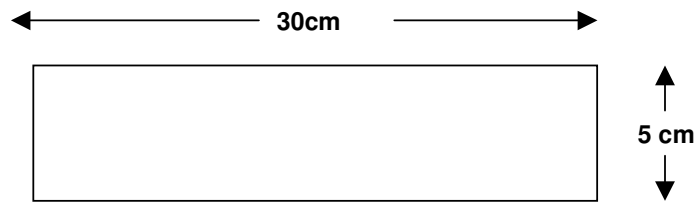


Estimate how much taller Lois's sunflower is than Rosie's

cm

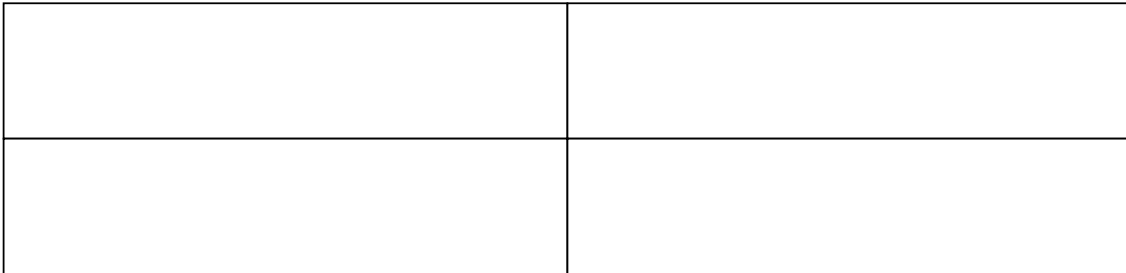
**1 mark**

31. Anna has rectangular tiles like this.



not to scale

She makes a larger rectangle using 4 of the tiles.



What is the area of the larger rectangle?

--

cm<sup>2</sup>