Name:

Date:

/30

total marks

Year 4 Reasoning Test Set 2 Paper A

1. a. What number is one thousand more than 4582?

1 mark

b. Calculate a thousand less than 1094

1 mark

2. Compare the numbers three thousand, eight hundred and seventy and three thousand, eight hundred and seventeen using the correct symbol.

2 marks

3. Use an inverse calculation to check this number sentence: 718 - 372 = 346

2 marks

4. Circle the correct word to complete these sentences:

a.

These lines are **parallel / perpendicular**.
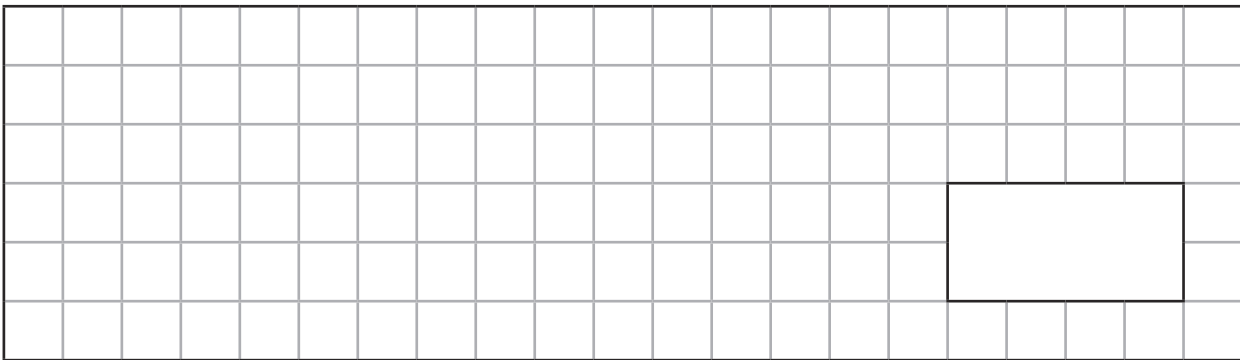
1 mark
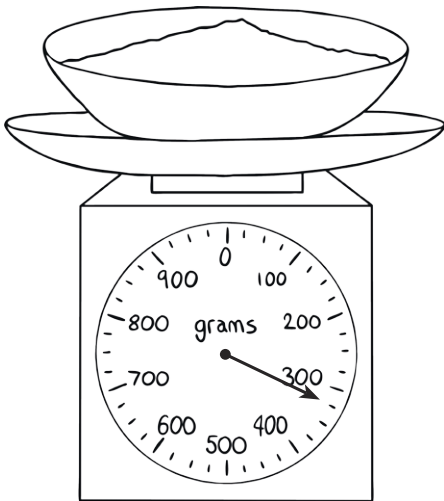
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b.

This line is **horizontal / vertical.**

1 mark

5. **What is forty-seven multiplied by six?**

1 mark

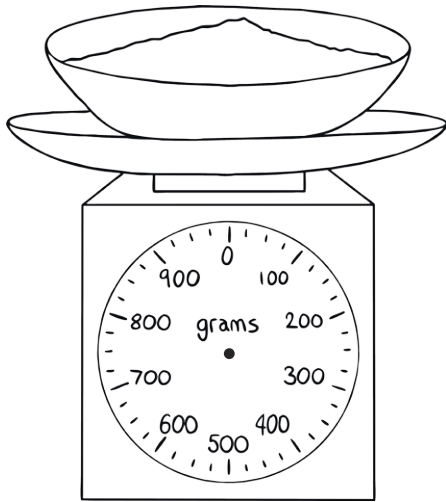6. **Jenny weighs some flour. Here are the scales.**

a. What is the mass of the flour on the scales

1 mark

1 mark

total for
this page

b. Jenny adds 250g of sugar to the scales. Draw the new mass on the face of the scales.

1 mark

7. 7 × 84 = 588, what is 84 × 7 = [   ]

1 mark

8. Write $\frac{1}{4}$ as a decimal:

[   ]

What fraction is equivalent to 0.5?

[   ]

1 mark

9. What number is represented by the Roman Numerals LXXIX
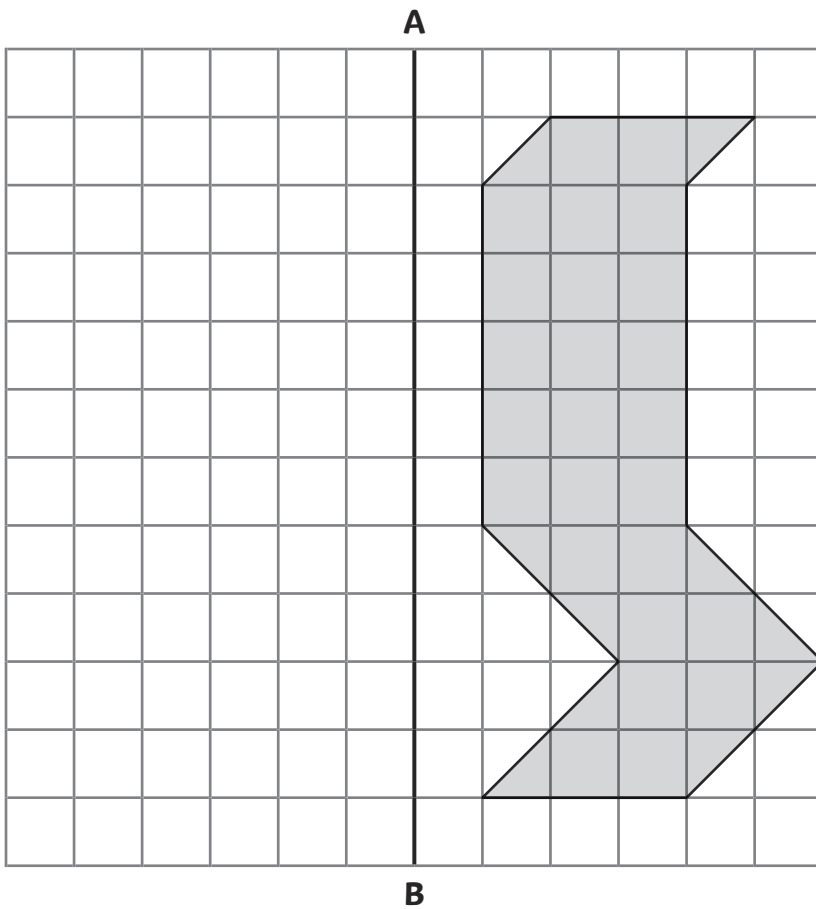
[   ]

Write 32 in Roman Numerals?

[   ]

1 mark

total for
this page

10. Complete this symmetrical figure about the given line of symmetry AB:

Use a ruler

2 marks

11. Darrell leaves home at 7.50am to walk to school. He takes 35 minutes.

What time does Darrell arrive at school?

1 mark

total for
this page

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12. Lorna has £1.60. She gives a quarter of her money to a charity collection.

   How much money does she have left?

2 marks

· ·

13. Complete these sequences:

   a.

5	4	3					

   b.

-7	-6	-5					

2 marks

· ·

14. Jacob wants to buy four books. Each book costs £1.20. How much will he pay?

2 marks

total for this page

15. Use the correct mathematical symbol to compare these measures:

1.2m		115cm

0.5l		50cl

0.87kg		875g

2 marks

16. A teacher gives the children a times tables test and records the results in a bar chart.
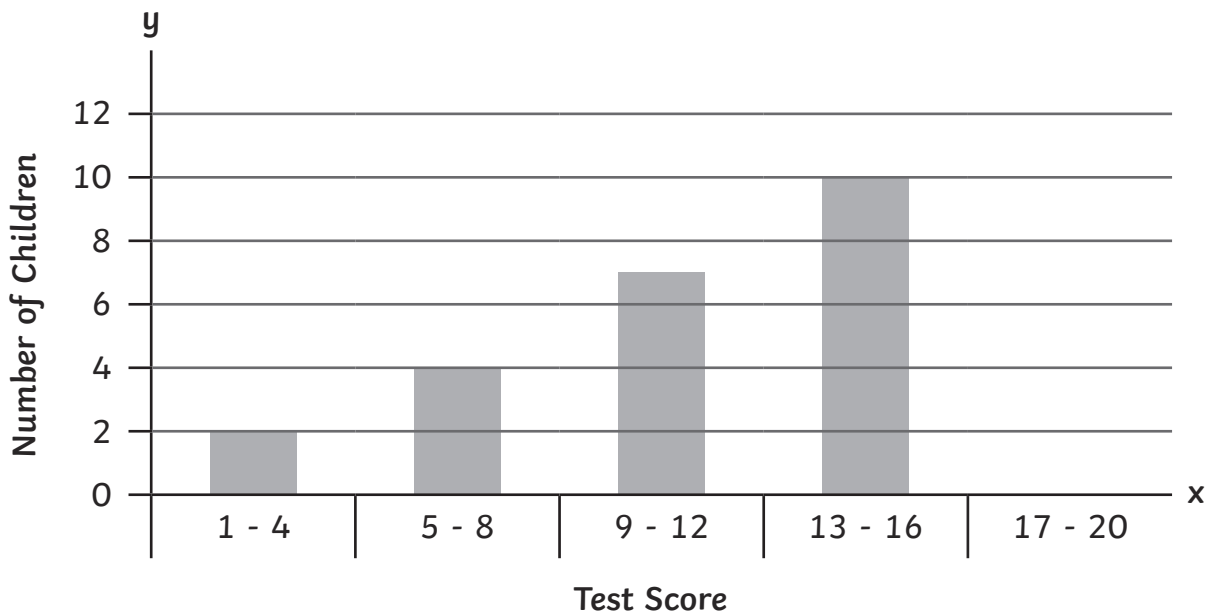
a. Three children scored 17 marks, two children scored 18 marks, one child scored 19 and one child scored 20 marks. Draw the bar on the graph to show the number of children who scored 17-20 marks.

1 mark

b. How many children scored 13-16 marks?

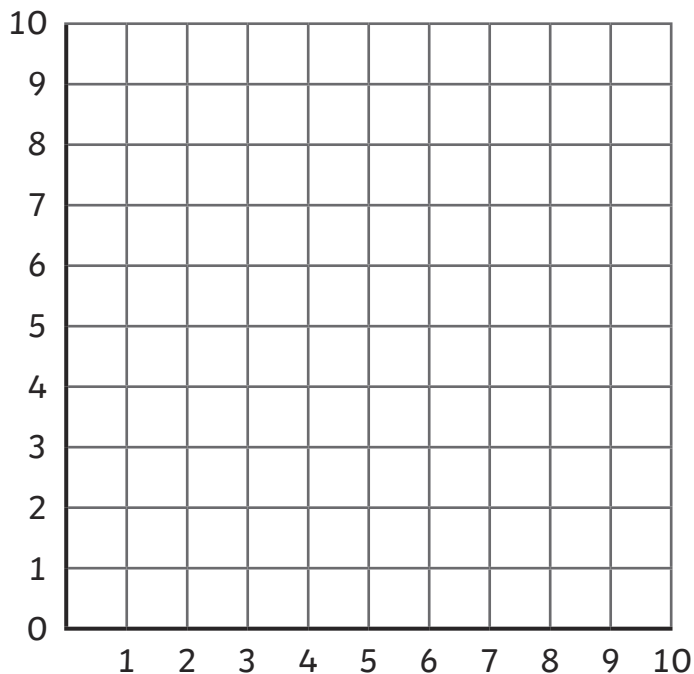**1 mark**

c. How many children scored eight marks or less?

1 mark

total for this page

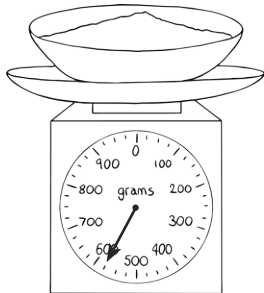17. **Draw a rectangle on this coordinates grid using the following coordinates:**
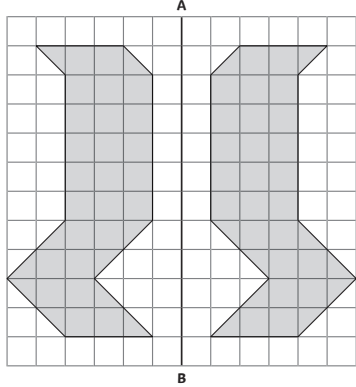
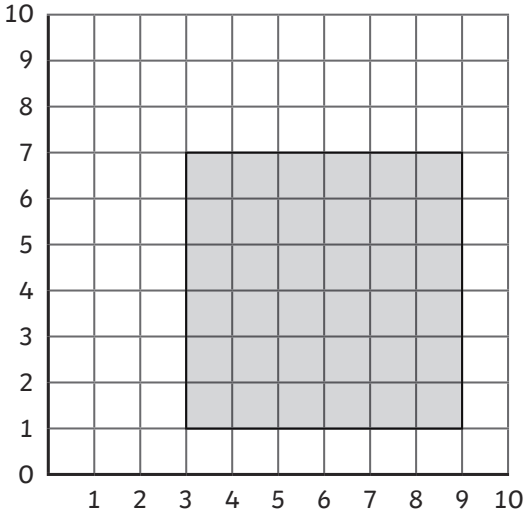(3,1)   (9,1)   (9,7)   (3,7)

Use a ruler.

Question	Answer	Marks	Notes
1. What number is one thousand more than 4582?			
a	5582	1	
b	94	1	
2. Compare the numbers three thousand, eight hundred and seventy and three thousand, eight hundred and seventeen using the correct symbol.			
	3870 > 3817 or 3817 < 3870	2	2 marks for either correct answer 1 mark for correctly writing 3817 and 3870 with incorrect symbol
3. Use an inverse calculation to check this number sentence: 718 – 372 = 446			
	346 + 372 = 718	2	1 mark for using an appropriate addition, e.g. 346 + 372 or 372 + 346 = 718 1 mark for correctly adding the addition used.
4. Circle the correct word to complete these sentences:			
a	parallel	1	
b	vertical	1	
5. What is forty-seven multiplied by six?			
	282	1	
6. Jenny weighs some flour. Here are the scales.			
a	325g	1	
b		1	
7. 7 × 84 = 588, what is 84 × 7 =			
	588	1	
8. Write 1/4 as a decimal:			
	0.25 and $\frac{1}{2}$	1	Both correct for 1 mark
9. Write 1/4 as a decimal:			
	79 and XXXII	1	Both correct for 1 mark

Question	Answer	Marks	Notes
10. Complete this symmetrical figure about the given line of symmetry AB:			
		2	2 marks for correct answer 1 mark for 1 or 2 mistakes in drawing the location of the corners of the shape. Corners should be drawn where the lines of the grid – allow a small margin of error (up to 2mm)
11. Darrell leaves home at 7.50am to walk to school. He takes 35 minutes.			
	8.25am or 0825 or 25 minutes past eight	1	accept any accurate way to write the correct time
12. Lorna has £1.60. She gives a quarter of her money to a charity collection.			
	£1.20	1	2 marks for correct answer. 1 mark for correctly calculating a quarter of £1.60 as 40p, or for correctly subtracting an incorrect calculation of a quarter of £1.60.
13. Complete these sequences:			
a	2, 1, 0, –1, –2	1	
b	–4, –3, –2, –1, 0	1	
14. Jacob wants to buy four books. Each book costs £1.20. How much will he pay?			
	£4.80	2	2 marks for correct answer 1 mark for a calculation representing the multiplication of £1.20 by four, even if it is as repeated addition, where there is only one mistake.
15. Use the correct mathematical symbol to compare these measures:			
	1.2m > 115cm 0.5l = 50cl 0.87kg < 875g	2	2 marks for all correct 1 mark for two correct
16. Use the correct mathematical symbol to compare these measures:			
a	Bar drawn to 7 on the chart	1	
b	10	1	
c	6	1	

Question	Answer	Marks	Notes
17. Draw a rectangle on this coordinates grid using the following coordinates:			
		2	2 marks for correct answer 1 mark for three correctly marked points no marks for getting x and y the wrong way round Allow a small error in drawing the rectangle on the lines.