

## Year 4

## **Mathematics**

Reasoning: Set 1 Test A

Name	
Date	









## Year 4 Maths Reasoning: Set 1 Test A



1. Continue these sequences.

a)

|--|



b)

300	275	250	225	

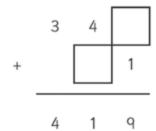


2. Circle the fractions equivalent to  $\frac{1}{4}$ .

 $\frac{4}{10}$   $\frac{3}{12}$   $\frac{1}{6}$ 



3.





4. Marcus needs to measure 225ml of milk for a recipe.

Draw a line on the jug to show 225ml.

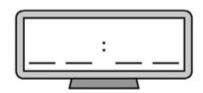




5.

a) Here is an analogue clock. Write the time on the digital clock.

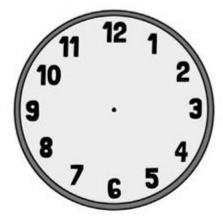






b) Here is a digital clock. Draw the time on the analogue clock face.







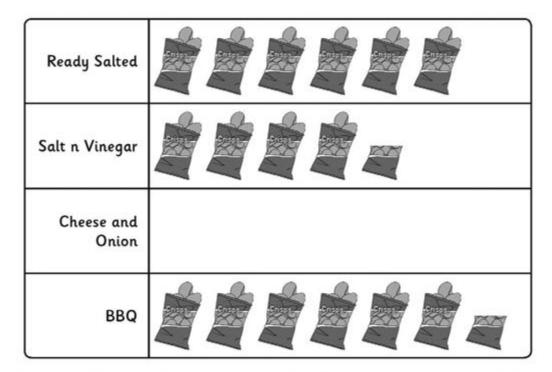
6. A class of children collected information about which flavoured crisps children preferred. They collected the information in a table and presented it in a pictogram.
Complete the table and pictogram on the next page.

Flavour of Crisps	Number of Children
Ready Salted	
Salt n Vinegar	
Cheese and Onion	6
BBQ	











7. Order the following numbers from smallest to largest.

1608, 816, 1086, 681

		)
smallest		largest



- 8. For each of these questions, circle the calculation that will give the correct answer.
  - a) In four packets of felt pens there are 72 pens. There are six different colours equally shared among each pack. How many pens are there of each colour?

$$72 \div 6$$



b) An order is placed for nine packets of pencil sharpeners. Each packet costs 58p and contains 15 sharpeners. How many sharpeners are ordered?







9. Match the lines to the mathematical description:

horizontal

vertical



10. Write the following Roman numeral as a number.

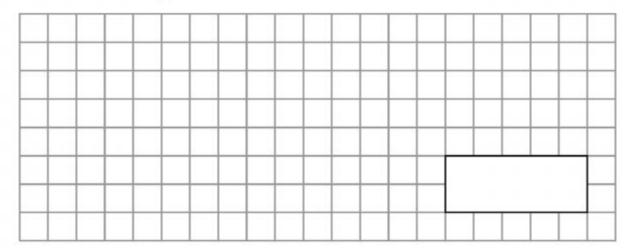
LXXIV



1 mark

11.A pizza seller sells 2 pizzas for £9.

How much would 6 pizzas cost?





12. Circle the correct answer to each calculation.

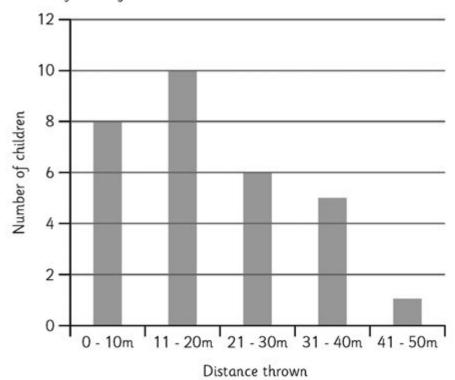
- a)  $34 \div 10 =$
- 340
- 3.4
- 0.34

- **b)** 591 ÷ 100 =
- 5.91
- 59.1
- 0.591



1 mark

13.A class of children take part in a throwing a tennis ball competition. They record the results in the following bar chart.



a) How many children's results are recorded in the chart?





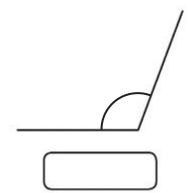
b) How many children threw the ball more than 20 metres?

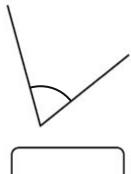




14.

a) Here are 2 angles. Label the angles either acute or obtuse.

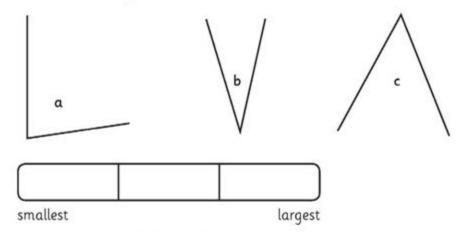








b) Here are 3 angles labelled a, b and c.



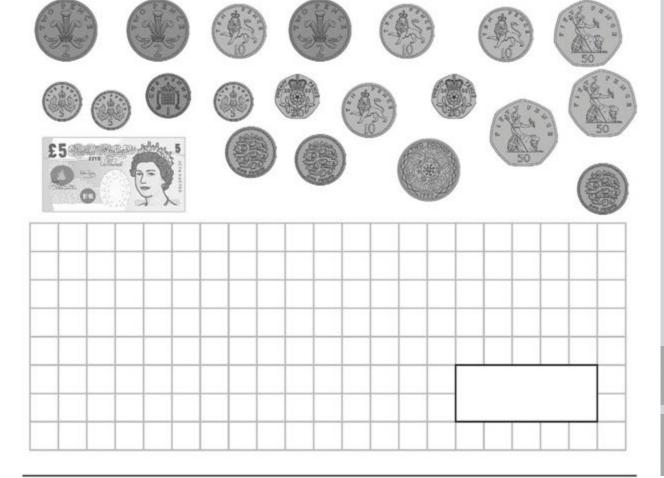


15. Use the signs <, > or = to make each of the following correct:

£1.64	164p
600ml	half a litre
0.5kg	75g



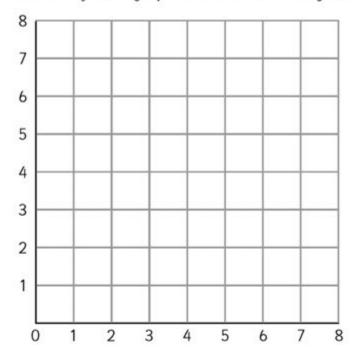
**16**. Devinder empties his money box. Calculate how much money he has altogether. Write the answer in pounds, using a decimal point.







17.Plot the following square in this coordinates grid: (3,1) (7,3) (5,7) (1,5)







## Answer Sheet: Year 4 Maths Reasoning: Set 1 Test A



question	answer	marks	notes
1. 4N1: Coun	t in 9s and 25s.		
a	9, 36	1	
b	200, 175	1	
2. 4F2: Matc	h common equivalent fractions.		
	$\frac{2}{8}$ and $\frac{3}{12}$	2	1 mark for each. 1 mark lost for any incorrect.
3. 3C2: Miss	ing number addn 3 + 2 digit.		
	34 <b>8</b> + <b>7</b> 1	2	1 mark for each.
4. 3M2c: Vol	ume of liquid in a jug.		
	500 ml	1	
<b>5.</b> 4M4b: An	alogue to digital clock and vv.		
а	05:10 or 5:10 or 17:10	1	
b	11 12 1 9 3 8 7 6 5	1	The hour hand should be just over half way between 11 and 12, however allow some margin of error. No mark if the hour hand is on the 11 or 12.
6. 3S1: Table	from pictogram.		
a	Flavour of Crisps Number of Children Ready Salted 12 Salt n Vinegar 9 Cheese and Onion 6 BBQ 13  Pictogram: 3 packets drawn in Cheese and Onion column	2	1 mark for correctly counting the 3 columns as 12, 9 and 13 1 mark for drawing 3 packets of crisps. All 3 packets should be roughly the same size.



question	answer	marks	notes
7. 4N2: Orde	er 3 and 4 digit numbers.		
	681, 816, 1086, 1608	1	
8. 3C7: Choo	ose a calculation for word problems.		
a	72 ÷ 6	1	
b	9 x 15	1	
9. 3G2: Horiz	zontal and vertical lines.		
	horizontal vertical	1	
10. 4N3b: Ro	man numerals to 100.		
	74	1	
11. 3C8: Word	d problem integer scaling.		
	£27	1	1 mark for a correct method but 1 mistake in calculating.
<b>12.</b> 4F9: Ring	answers to divide by 10 and 100.		
a	3.4	1	
b	5.91	1	
<b>13.</b> 4S1: Cont	inuous data bar graph.		
а	30	1	
b	12	1	
<b>14.</b> 4G4: Ord	ler and identify acute/obtuse.		
а	obtuse and acute	1	
b	bca	1	



question	answer		marks	notes
<b>15.</b> 4M1: <, =	, > with mo	ney and measures.		
	£1.64	= 164p		2 marks for 3 correct 1 mark for 2 correct
	600ml	> half a litre	2	
	0.5kg	> 75g		The second secon
16. 4F10b: Mo	oney proble	m 2 decimal places.		
	£12.52		2	2 marks for correct answer 1 mark for an answer that is incorrect by the value of 1 coin (e.g. £12.51, £12.50, £12.47, £12.42, £12.32, £12.02, £11.52, £10.52)
<b>17.</b> 4P3: Plot	a shape in a	a co-ordinates grid.		*
	8 7 6 5 4 3 2 1	3 4 5 6 7 8	2	2 marks for correct answer 1 mark for 3 correct corners Allow small error on drawing corners to lines.
			Total 29	