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Year 3 Reasoning Test Set 2 Paper A

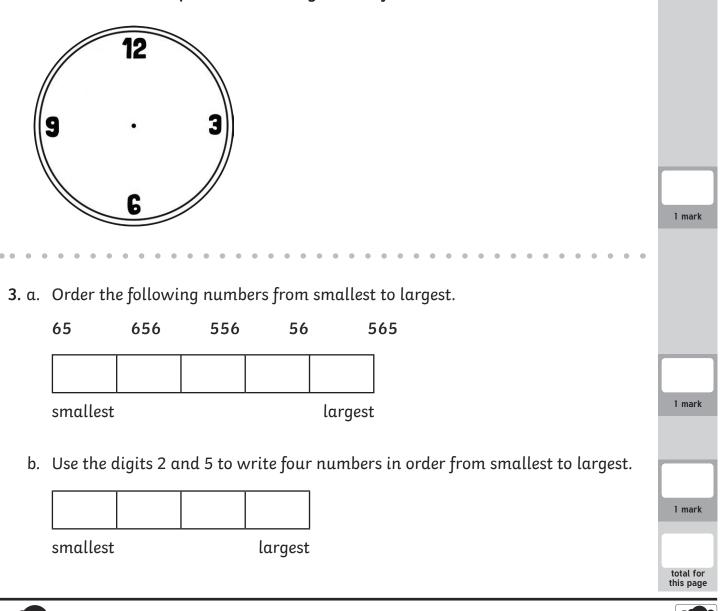
1. a. Josie counts in 8s up to 96 without making any mistakes. Circle the following numbers she will include as she counts:

32 44 50 56 74 88

b. Amit counts in 100s starting from and including 0. What will be the 3rd, 6th and 11th numbers that he says?

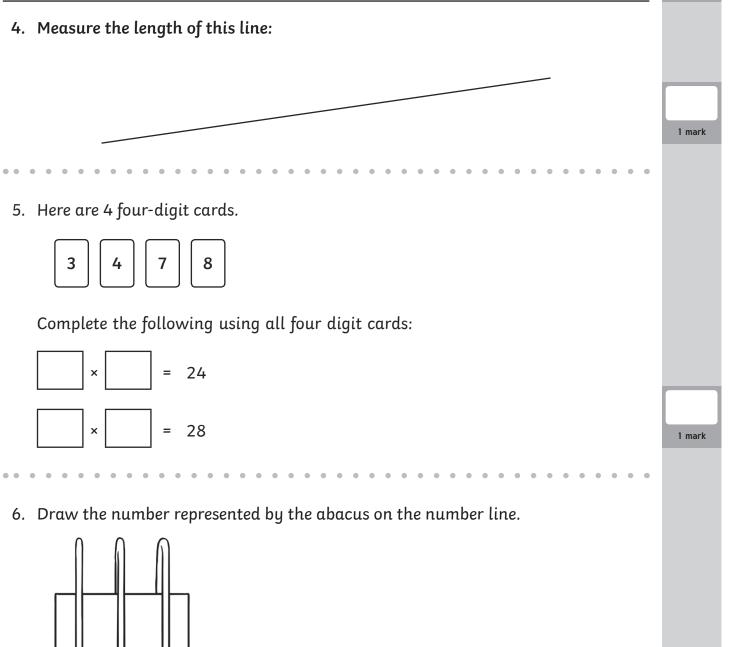


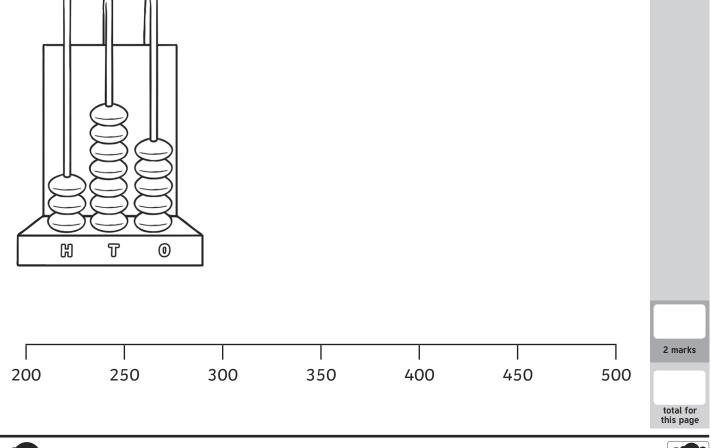
2. Draw the time 2.45pm on this analogue clock face.





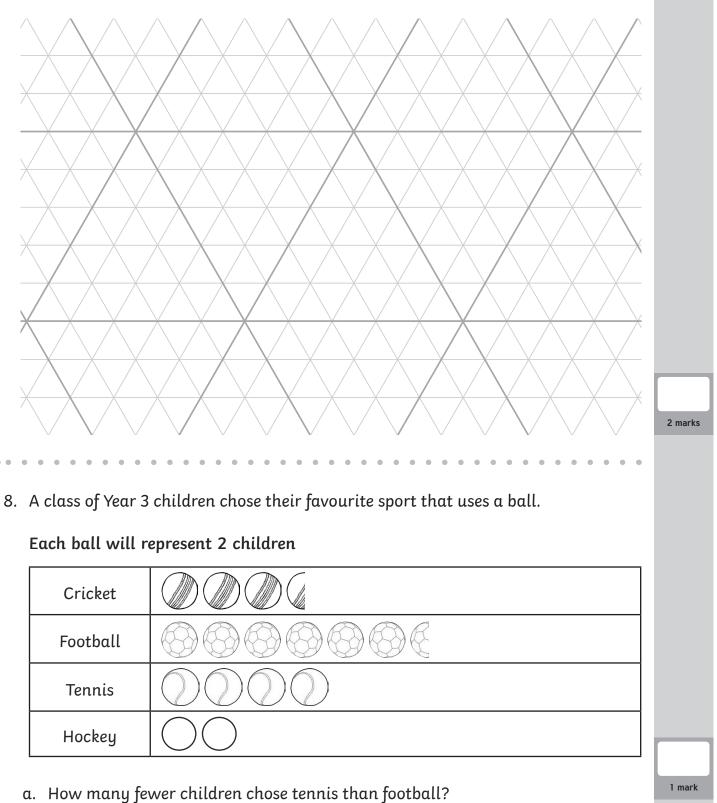
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7. Draw a hexagon and a parallelogram on this triangular grid. Use a ruler.



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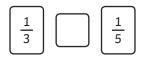
b. How many children took part in the survey?



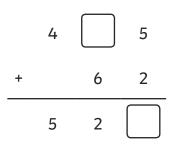
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total for this page

9. Compare these fractions using one of these symbols: <, = or >



10. Fill in the missing digits to complete this calculation:



11. Alison has the following coins in her purse.



She buys a magazine for £1.35.

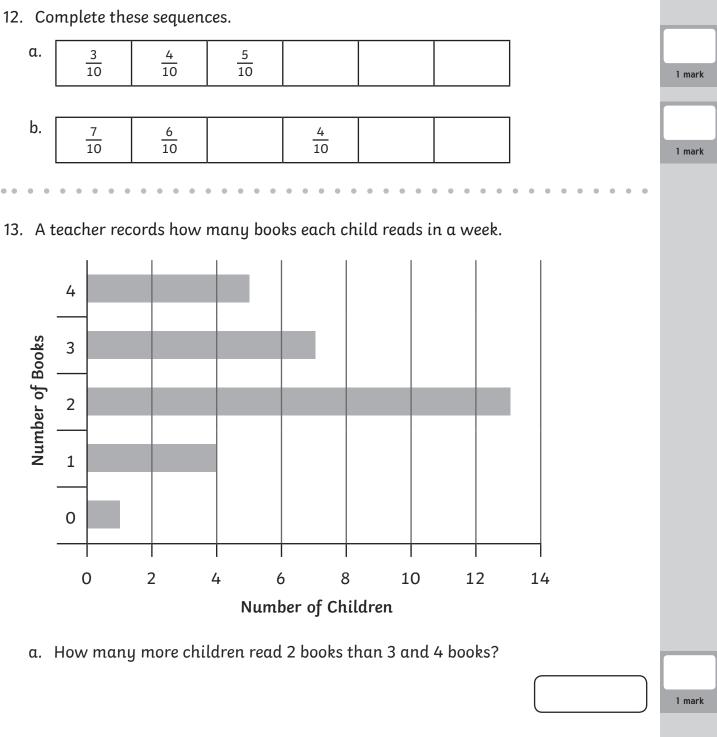
Draw the coins with which she would pay and the coins she could be given as change. Simply draw a circle and write the amount in the coin.

Coins used to pay	Coins in the change	
		2 marks
		total for this page



1 mark

2 marks



b. How many children read less than 2 books?





total for this page

1 mark

14. Samit says that 72 ÷ 4 = 18 a. What different calculation can you use to check the answer? l mark b. Use your calculation to check Samit's answer: l mark





Year 3 Reasoning Test Set 2 Paper A

Answers

Question	Answer	Marks	Notes				
1. Josie cou	1. Josie counts in 8s up to 96 without making any mistakes. Which of the following numbers will she include as she counts:						
a	32, 56 and 88	1	All three with no mistakes for a mark				
b	200, 500 and 1000	1	All three with no mistakes for a mark				
2. Draw the	2. Draw the time 2.45pm on this analogue clock face.						
	9	1	The hour hand must be between half way between 2 and 3 and 3 itself				
3. Order the following numbers from smallest to largest.							
a	56, 65, 556, 565, 656	1					
b	numerous possibilities, e.g. 25, 52, 225, 552	1					
4. Measure the length of this line:							
	12cm	1	The line will only be 12cm if the test is printed at 100%. The default for pdf files is usually 97%.				
5. Here are	5. Here are 4 four-digit cards.						
	3 × 8 = 24 or 8 × 3 = 24 4 × 7 = 28 or 7 × 4 = 28	1	2 marks for both correct 1 mark if only 1 correct				
6. Draw the	6. Draw the number represented by the abacus on the number line.						
	Show half way between 350 and 400	2	2 marks for accurately showing 375, allowing a small degree of error. 1 mark for between 350 and 400 but not half way between.				
7. Draw a hexagon and a parallelogram on this triangular grid. Use a ruler.							
		2	Hexagon must have six straight sides but can be irregular. Parallelogram must have two pairs of parallel sides but needn't keep to the given lines. 1 mark for each.				





Year 3 Reasoning Test Set 2 Paper A

Answers

Question	Answer	Marks	Notes			
8. A class of	8. A class of Year 3 children chose their favorite sport that uses a ball.					
a	5	1				
b	32	1				
9. Compare t	9. Compare these fractions using one of these symbols: <, = or >					
	1/3>1/5 or 1/5<1/3	1				
10. Copy thi	10. Copy this question with the numbers 4_5 + 62 = 52_					
	4 6 5					
	+ 6 2	2	1 mark for each digit			
	5 2 7					
11. Alison has the following coins in her purse.						
			Change is 15p or 25p respectively. (It would be reasonable to pay with £1.60 if shop has no 10ps for change, but not £1.70).			
	Pay with £1.50 or £1.60	2	2 marks for correct answer.			
			1 mark for paying with £1.70 and 35p change.			
			Change can be in any format of coins.			
12. Complete these sequences.						
a	$\frac{6}{10}, \frac{7}{10}, \frac{8}{10}$	1	All three correct for the mark			
b	$\frac{5}{10}, \frac{3}{10}, \frac{2}{10}$	1	All three correct for the mark			
13. A teacher records how many books each child reads in a week.						
a	1	1				
b	5	1				
14. Samit says that 72 ÷ 4 = 18						
a	18 × 4 =	1				
b	18 × 4 = 72	1	Any method is valid.			

