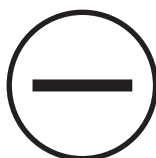


# Mathematics

## Reasoning: Set 1 Test B

Name	
Date	



26

total marks

Name:

Date:

## Maths Reasoning: Set 1 Test B



1.

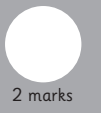
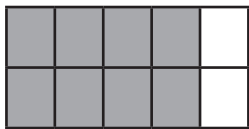
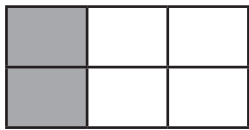
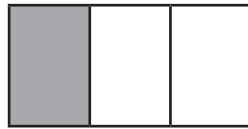
a) What number is one hundred more than two hundred and sixteen?



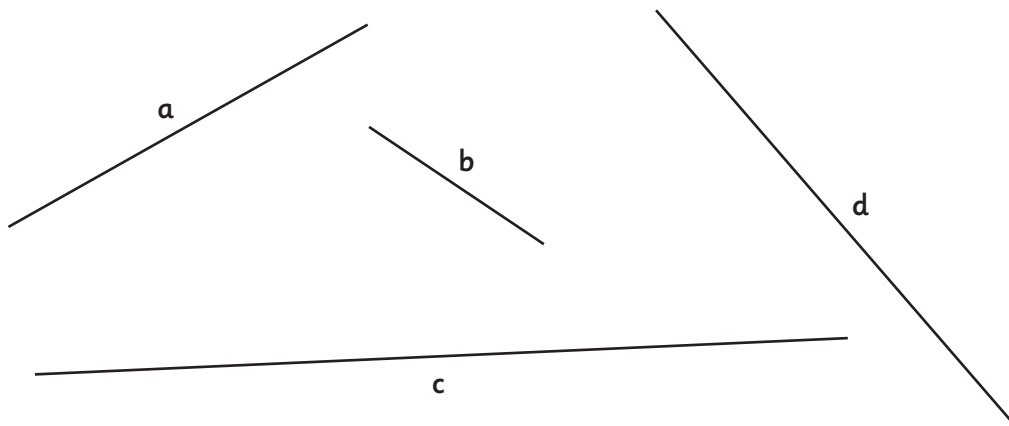
b) What number is ten less than 305?



2. Each rectangle represents a fraction. Match 2 of the rectangles on the left to their equivalents on the right.

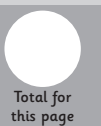


3. Here are 3 lines. Order the lines from the shortest length to the longest length.

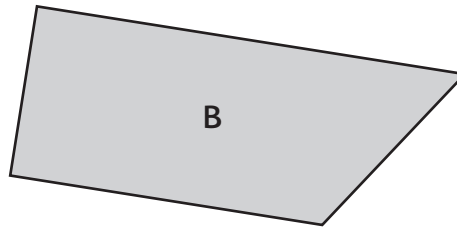
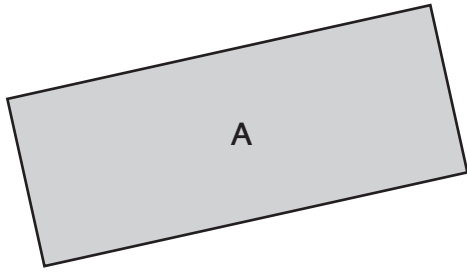


shortest

longest



4. Count the number of right angles in each shape.



A =  right angles

B =  right angles



2 marks

5.

a) Which digit in the number 726 represents the number of tens?



1 mark

b) Which digit in the number 509 represents the number of hundreds?



1 mark

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

$$\begin{array}{r} 38\Box \\ + \Box 6 \\ \hline 438 \end{array}$$



2 marks



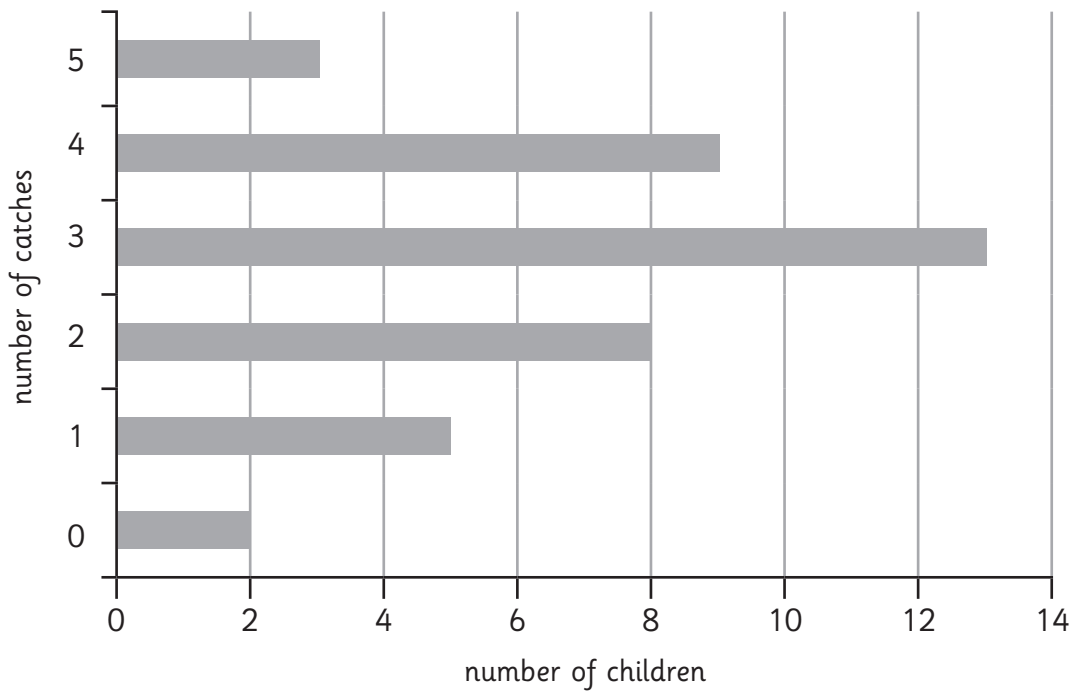
Total for this page





11. A teacher organises a competition where children have to try to catch five balls that are thrown.

The chart below shows the results.



a) How many more children made 4 catches than 5 catches?



1 mark

b) How many children made 1 or less catches?



1 mark

12. Some children buy 2 pizzas. The pizzas are the same size. The cheese and tomato pizza is cut into 6 pieces. The pepperoni pizza is cut into 8 pieces.

Which pieces are larger, the cheese and tomato pizza or the pepperoni pizza?



2 marks



Total for this page



question	answer	marks	notes
<b>1. 3N2b: 100 more and 10 less.</b>			
a	three hundred and sixteen or 316	1	
b	295 or two hundred and ninety five	1	
<b>2. 3F2: Equivalent fractions diagram.</b>			
		1	1 mark for each correct.
<b>3. 3M1: Compare lengths.</b>			
	badc	1	
<b>4. 3G4b: Right angles.</b>			
	A = 4 B = 2	2	1 mark for each correct.
<b>5. 3N3: Place value to hundred.</b>			
a	2	1	
b	5	1	
<b>6. 3C2: Missing number add.</b>			
a	<b>382</b> <b>+56</b>	2	1 mark for each.
<b>7. 3S1: Table.</b>			
a	Bailey	1	
b	Conor	1	
<b>8. 3C7: Problem x.</b>			
a	288 pencils	2	2 marks for correct answer 1 mark for an incorrect answer using a correct method with only 1 mistake in calculation.



question	answer	marks	notes
<b>9. 3M4c: Analogue roman.</b>			
	10:20	1	allow 22:20.
<b>10. 3M9a: Change.</b>			
	65p or £0.65	2	2 marks for correct answer 1 mark for correctly working out the cost is £1.35 but not working out the change correctly or for incorrectly calculating the cost but correctly working out the change from the incorrect cost.
<b>11. 3S2: Scaled bar chart.</b>			
a	6	1	
b	7	1	
<b>12. 3F10: Fraction problem.</b>			
	cheese and tomato	2	
<b>13. 3C8: Missing number x.</b>			
	$\begin{array}{r} 57 \\ \times 8 \\ \hline 456 \end{array}$	2	1 mark for each.
<b>14. 3C7: Divide Problem.</b>			
	£24	2	2 marks for correct answer 1 mark for incorrect answer but attempt to divide 96 by 4.
		Total	
		26	