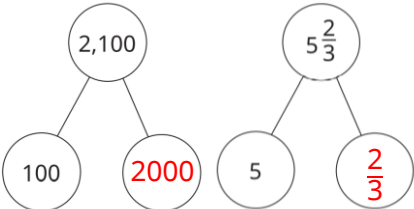


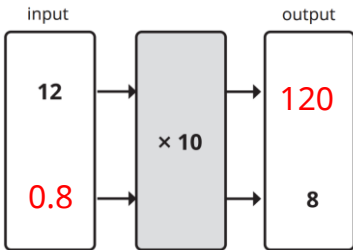
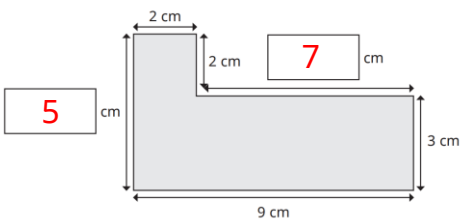


Year 4 – Reasoning & problem solving

General marking principles

- Answers should be single values in their simplest form unless the mark scheme says otherwise
- Accept reversed digits provided intention is clear e.g. a reversed 2 must clearly show the characteristics of a 2 rather than a 5
- Do not award the mark if more than one answer is given
- For numbers with four or more digits, accept answers with a comma positioned incorrectly or without a comma. Do not accept a decimal point or an apostrophe.

Question	Answer	Marks	Notes and guidance
1	4.2	1	
	4.25	1	
2		2	Award 1 mark for each.
3	$\frac{7}{10}$	1	Do not accept 0.7
		1	Allow slight inaccuracy provided indication is clear. Accept any clear indication.
4	2 km 900 m	1	
5		1	Allow slight inaccuracy provided indication is clear.
6	8	1	Accept 1×8 , 2×4 , etc.

Question	Answer	Marks	Notes and guidance								
7	<table border="1" style="border-collapse: collapse; text-align: center;"> <tr> <th style="padding: 2px;">Thousands</th> <th style="padding: 2px;">Hundreds</th> <th style="padding: 2px;">Tens</th> <th style="padding: 2px;">Ones</th> </tr> <tr> <td style="height: 30px;"></td> <td style="height: 30px;"></td> <td style="text-align: center;">○</td> <td style="text-align: center;">○ ○</td> </tr> </table>	Thousands	Hundreds	Tens	Ones			○	○ ○	1	
Thousands	Hundreds	Tens	Ones								
		○	○ ○								
8	1, 2, 4, 8	1	Accept in any order.								
9	140	1	Accept any clear indication.								
10	0.12	1									
11	10	1									
	14	1									
12	$52 \div 4$	1	Accept any clear indication.								
13		2	Award 1 mark for each correct answer.								
14		1	Must have both numbers correct.								
	28	1	Follow through their answers to the first part.								

Year 4 – Reasoning & problem solving

Question	Answer	Marks	Notes and guidance						
15	3	1							
	11, 12, 13 or 14	1							
16	8 or 9	1							
17	<table border="1" style="display: inline-table; vertical-align: middle;"> <tr> <td style="text-align: center;">1.99</td> <td style="text-align: center;">2</td> <td style="text-align: center;">2.01</td> <td style="text-align: center;">2.02</td> <td style="text-align: center;">2.03</td> <td style="text-align: center;">2.04</td> </tr> </table>	1.99	2	2.01	2.02	2.03	2.04	2	Award 1 mark for 2 correct answers.
1.99	2	2.01	2.02	2.03	2.04				
18	27 cars	2	Award 1 mark for fully correct method with no more than one arithmetic error.						
19	$2\frac{2}{6}$	2	Award 1 mark for fully correct method with no more than one arithmetic error. Accept any equivalent fraction, .e.g. $2\frac{1}{3}$						
20	Indicate yes with a valid reason, e.g. Amir's number is at least 5,550 but Rosie's is no more than 5,500	1	Accept any valid reason which includes 5,550 and 5,500						

Total : 30 marks