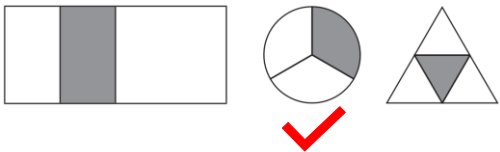
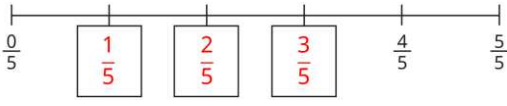
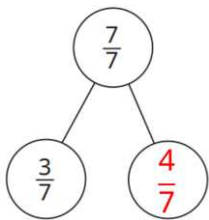
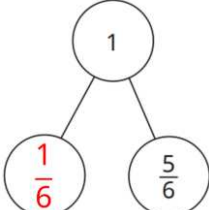


General marking principles

- 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

Question	Answer	Marks	Notes and guidance
1	9	1	
	13 cm 5 mm	1	Accept 13 cm 4 mm to 13 cm 6 mm inclusive.
2		1	Accept any clear indication. Do not award the mark if more than one answer has been indicated.
3	$8 \times 4 = 32$ $4 \times 8 = 32$ $32 \div 4 = 8$ $32 \div 8 = 4$	2	Award 1 mark for three correct calculations.
4		1	Accept any equivalent fraction.
5	7	1	
6		1	Accept any equivalent fraction.
		1	

Question	Answer	Marks	Notes and guidance
7	400	1	
	1 l 600 ml	1	
8	Any integer greater than 3	1	
	Any integer less than 10	1	
9	243	2	Award 1 mark for attempt to add 145 and 98 with no more than one arithmetic error.
10	387	1	
	163	1	
	698	1	
11	4	1	
	6	1	
12	$64 \times 3 = 192$ OR $3 \times 64 = 192$	1	Do not award mark if no answer for the calculation has been given.
13	Indicates 400, 80 and 270 and gives a valid reason e.g. • The ones digit is 0 • $400 = 10 \times 40$ $80 = 10 \times 8$ $270 = 10 \times 27$	1	Award the mark for any clear indication and all three numbers are needed. Do not award the mark if no reason, or incomplete reason, is given.
14	<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="border: 1px solid black; padding: 2px 5px; margin: 2px;">80 mm</div> <div style="border: 1px solid black; padding: 2px 5px; margin: 2px;">78 cm</div> <div style="border: 1px solid black; padding: 2px 5px; margin: 2px;">1 m</div> <div style="border: 1px solid black; padding: 2px 5px; margin: 2px;">180 cm</div> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> shortest longest </div>	1	Award the mark for all measurements converted to the same unit e.g. 100 cm and 8 cm seen.

Question	Answer	Marks	Notes and guidance
15	Indicates 100 grams	1	Do not award mark if more than one answer has been indicated.
16	16	1	
17	Accept any equivalent fraction e.g. $\frac{2}{4}$, $\frac{3}{6}$, $\frac{5}{10}$, $\frac{30}{60}$ etc.	1	Fraction must be stated and not just shown on the diagram.
18	500 415	2	Award 1 mark for either correct answer OR correct subtraction of 85 from their value for jug A.
19	1 m 20 cm	1	Award the mark for correctly converted measurements e.g. 0 m 120 cm
20	36	1	

Total : 30 marks