

Q1. (2019)

18	$0.5 \times 10 \times 12$ or 60	M1	oe
	180 ÷ their 60	M1dep	
	3	A1	SC1 1.5 oe
	Additional Guidance		

Q2. (2022)

Q	Answer	Mark	Comments
15	Alternative method 1 Using the given values		
	$4.2 \div 7$ or 0.6 or $7 \div 4.2$ or 1.66... or 1.67 or $2.5 \div 7$ or 0.357... or 0.36 or $7 \div 2.5$ or 2.8	M1	implied by $1 \rightarrow 0.6$ or $0.5 \rightarrow 0.3$
	$2.5 \times 4.2 \div 7$	M1dep	oe eg $2.5 \div (7 \div 4.2)$ or $2.5 \div 1.67$ or $4.2 \div (7 \div 2.5)$ or $4.2 \div 2.8$ or full build-up eg $0.6 + 0.6 + 0.3$ or 0.3×5 or $4.2 \div 2 - 0.6$
	1.5	A1	oe fraction or decimal SC2 answer with digits 15
	Alternative method 2 Working consistently in centimetres		
	$4.2 \times 100 \div 7$ or 60 or $7 \div (4.2 \times 100)$ or 0.0166... or 0.0167 or $2.5 \div 7$ or 0.357... or 0.36 or $7 \div 2.5$ or 2.8	M1	oe eg $420 \div 7$ or $7 \div 420$ implied by $1 \rightarrow 60$ or $0.5 \rightarrow 30$
	$2.5 \times 420 \div 7$ or 150	M1dep	oe eg $2.5 \div (7 \div 420)$ or $2.5 \div 0.0167$ or $420 \div (7 \div 2.5)$ or $420 \div 2.8$ or full build-up eg $60 + 60 + 30$ or 30×5 or $420 \div 2 - 60$
	1.5	A1	oe fraction or decimal SC2 answer with digits 15

15 cont	Additional Guidance		
	Up to M1 may be awarded for correct work with no, or incorrect answer, even if this is seen amongst multiple attempts		
	Answer 1.5 with no working	M2A1	
	150 is M2A0 but Answer 150 cm with m crossed out would be M2A1		
	$4.2 : 1.5$ or $420 : 150$	M2	
	For consistent working in millimetres or metres apply the principles of Alt 2		
	Incorrect or inconsistent change of units must be recovered for M2A0 or M2A1, otherwise score 0 or SC2 eg1 $42 \div 7 = 6$, $6 \times 2.5 = 15$, Answer 1.5 (units recovered) eg2 $4200 \div 7 = 800$, $800 \times 2.5 = 2000$, Answer 2 (arithmetic slip but method shown and units recovered) eg3 $42 \div 7 = 6$, $6 \times 2.5 = 15$, Answer 15 (units never recovered)	M2A1 M2A0 SC2	
	NB Correct values from incorrect methods eg1 $7 - 4.2 = 2.8$ with no other creditworthy work eg2 $2.5 \div 4.2 = 0.6$ (1 dp) with no other creditworthy work	M0M0A0 M0M0A0	
	If rounded or truncated values are used, the final answer must be exactly 1.5 eg1 $2.5 \div 1.66$ Answer 1.5 (may have kept full value on calculator) eg2 $2.5 \div 1.66 = 1.506$ Answer 1.5 (comes from further rounding)	M2A1 M2A0	

Q3. (2023)

Q	Answer	Mark	Comments
9(a)	6 × 4 or 24 or 11 × (12 – 4) or 11 × 8 or 88	M1	oe
	112	A1	
	Additional Guidance		
	112.00(p)		M1A1
	112.0		M1A0