

Q1. (2018)

28	1.1 seen or $110\% = 19.25 \text{ seen}$ or $19.25 + 110$	M1	oe eg $10\% = 1.75$ $1\% = 0.175$
	$19.25 + 1.1$ or 0.175×100 or 17.5	M1dep	oe
	17.50	A1	correct money notation
	Additional Guidance		
	Condone £17.50p		M1M1A1
	Answer £17.5		M1M1A0

Q2. (2020)

Q	Answer	Mark	Comments
29	Alternative method 1		
	$60 \times (1 - 0.15)$ or 60×0.85 or 51 or $40 \times (1 - 0.1)$ or 40×0.9 or 36	M1	oe 60×0.15 or 9 or 40×0.1 or 4
	$2 \times \text{their } 51 + 2 \times \text{their } 36$ or 174	M1dep	oe $2 \times \text{their } 9 + 2 \times \text{their } 4$ or 26 their 51, their 36, their 9 and their 4 must come from a correct method
	$(2 \times 60 + 2 \times 40) \times 0.75$ or 200×0.75 or 150 or $(2 \times 60 + 2 \times 40) \times 0.25$ or 200×0.25 or 50	M1	oe
	174 and 150 and No or 224 and 200 and No or 26 and 50 and No	A1	SC3 176 and 150 and No or 226 and 200 and No or 24 and 50 and No

Q	Answer	Mark	Comments
29 cont	Alternative method 2		
	$60 \times (1 - 0.15)$ or 60×0.85 or 51 or $40 \times (1 - 0.1)$ or 40×0.9 or 36	M1	oe 60×0.15 or 9 or 40×0.1 or 4
	$2 \times \text{their } 51 + 2 \times \text{their } 36$ or 174	M1dep	oe $2 \times \text{their } 9 + 2 \times \text{their } 4$ or 26 their 51, their 36, their 9 and their 4 must come from a correct method
	$\frac{(2 \times 60 + 2 \times 40) - \text{their } 174}{2 \times 60 + 2 \times 40} \times 100$ or $\frac{200 - \text{their } 174}{200} \times 100$ or 13(%) or $\frac{174}{200} \times 100$ and $100 - 25$ or 87(%) and 75(%)	M1dep	oe $\frac{2 \times \text{their } 9 + 2 \times \text{their } 4}{200} \times 100$ or $\frac{26}{200} \times 100$ or 13(%) or $\frac{200 - (2 \times \text{their } 9 + 2 \times \text{their } 4)}{200} \times 100$ and 100(%) - 25(%) or 87(%) and 75(%)
	13% and No or 87% and 75% and No	A1	oe SC3 12% and No or 88% and 75% and No
	Additional Guidance		
	Ignore incorrect statements or calculations with full mark response		
	Consistently working with half of a perimeter can score up to 4 marks		
	SC3 must come from transposing length and width values		
	Accept length and width values transposed for up to 3 marks eg 60×0.9 with 40×0.85 and $2 \times 54 + 2 \times 34$ eg 60×0.9 with 40×0.9 and $2 \times 54 + 2 \times 36$ (not transposed) eg 60×0.1 or 40×0.15 or 6		M1M1 M1M0 M1

Q3. (2022)

Q	Answer	Mark	Comments
22	$3 + 2$ or 5 and $5\frac{1}{2} + 3\frac{1}{2}$ or 9 or $5\frac{1}{2} - 3$ or $2\frac{1}{2}$ and $3\frac{1}{2} - 2$ or $1\frac{1}{2}$ or 4	M1	oe eg $180 + 120$ or 300 and $330 + 210$ or 540 implied by $5\frac{1}{2} + 3\frac{1}{2} - 3 - 2$
	$\frac{9-5}{5}$ or $\frac{2\frac{1}{2} + 1\frac{1}{2}}{3+2}$ or $\frac{4}{5}$ or 0.8 or $\frac{5\frac{1}{2} + 3\frac{1}{2}}{3+2} (\times 100)$ or $\frac{9}{5} (\times 100)$ or $1.8 (\times 100)$ or 180	M1dep	oe eg $\frac{5\frac{1}{2} + 3\frac{1}{2} - 3 - 2}{3+2}$ eg $\frac{540 - 300}{300}$ or $\frac{240}{300}$ or $1.8 - 1$
	80	A1	
	Additional Guidance		
	Allow working fully in minutes but units must be consistent in a single calculation eg 2 h 30 and 1 h 30 eg $3 + 2 = 5$ and $330 + 210 = 540$ eg $3 + 120$ and $330 + 3\frac{1}{2}$ unless recovered		M1 M1 M0
	$3 + 2 = 6$, $5\frac{1}{2} + 3\frac{1}{2} = 9$, $9 - 6 = 3$, $3 = 50\%$		M1M1A0
	$3 + 2 = 6$, $5\frac{1}{2} + 3\frac{1}{2} = 9$, answer 50% (3 is implied)		M1M1A0
	$9 - 6 = 3$, $3 = 50\%$ (no method shown for 6)		M0M0A0

Q4. (2024)

Q	Answer	Mark	Comments
16	2×3.5 or 7	M1	oe implied by 5.7(...) or 5 r 5 or 42
	Ticks No and 5.7(...) or Ticks No and 42	A1	oe eg $\frac{40}{7}$ is less than 6
	Additional Guidance		
	Ignore area and volume calculations		
	Ticks No and 5 r 5		M1A1
	Ticks No and $5\frac{5}{7}$		M1A1
	Ticks No and 2cm too short		M1A1
	Ticks Yes and 5.7(...)		M1A0
	12×3.5		M1