

Q1. (2017)

5	200 ÷ 0.4 or 200 ÷ 40 × 100 or 200 = 0.4 × n	M1	oe (Heads =) 300 200 : 300
	500	A1	
	Additional Guidance		
	Build up method must be complete		
	eg 200 = 40%, 100 = 20%, 500 (= 100%) 200 = 40%, 100 = 20%, 400 = 80%, 100 + 400 200 = 40%, 100 = 20%, 400 = 80%		M1A1 M1A0 M0A0
	0.4 : 0.6 = 200 : 300		M1A0
	100 = 20%, 300 = 60%		M1A0
	200 ÷ 0.4 = 500, 500 + 200 = 700 incorrect method		M0A0

Q2. (2017)

9(b)	Alternative method 1		
	720 + 700 or 1420 or 720 + 700 – their 900 or 520	M1	oe
	$\frac{520}{1420}$ or $\frac{26}{71}$	A1ft	oe fraction, decimal or percentage 0.36(6...) or 0.37 36.(6...) % or 37% ft their part (a) Ignore fw
	Alternative method 2		
	720 + 700 or 1420 or $\frac{1}{3} \times 720$ or 240 or $\frac{2}{5} \times 700$ or 280 or 240 + 280 or 520	M1	oe
	$\frac{520}{1420}$ or $\frac{26}{71}$	A1	oe fraction, decimal or percentage 0.36(6...) or 0.37 36.(6...) % or 37% Ignore fw
	Alternative method 3		
	720 + 700 or 1420 or $\frac{900}{1420}$ or $\frac{45}{71}$ or $\frac{\text{their } 900}{1420}$	M1	oe fraction, decimal or percentage 0.63... or 0.63 63.(...) % or 63%
	$\frac{520}{1420}$ or $\frac{26}{71}$	A1ft	oe fraction, decimal or percentage 0.36(6...) or 0.37 36.(6...) % or 37% ft their part (a) Ignore fw

Q3. (2020)

Q	Answer	Mark	Comments
11	Alternative method 1		
	$1 - 0.18 - 0.62$ or 0.2	M1	oe
	their 0.2×350	M1dep	oe
	70	A1	
	Alternative method 2		
	0.18×350 or 63 or 0.62×350 or 217 or 0.8×350 or 280	M1	oe
	$350 - \text{their } 63 - \text{their } 217$ or $350 - 280$	M1dep	oe
	70	A1	
	Additional Guidance		
	$\frac{70}{350}$ on answer line		M1M1A0
	0.8		M0M0A0