

Q1. (2017)

13	Alternative method 1		
	12 × 1.58 or 18.96 or 28 × 1.52 or 42.56	M1	
	28 × 1.52 – 12 × 1.58 or their 42.56 – their 18.96 or 23.6	M1dep	oe
	their 23.6 ÷ (28 – 12) or their 23.6 ÷ 16	M1dep	oe dep on M1 M1
	1.475 or 1.48	A1	
	Alternative method 2		
	16x + 12 × 1.58 or 16x + 18.96 or 28 × 1.52 or 42.56	M1	
	(16x =) their 42.56 – their 18.96 or (16x =) 23.6	M1dep	oe
	their 23.6 ÷ (28 – 12) or their 23.6 ÷ 16	M1dep	oe dep on M1 M1
	1.475 or 1.48	A1	
	Additional Guidance		
	23.6 ÷ 16 = 1.475 = 1.5		M1M1M1A1
	23.6 ÷ 16 = 1.5		M1M1M1A0
	23.6 ÷ (28 – 12) 23.6 ÷ 14		M1M1M1A0
	23.6 ÷ 14		M1M1M0A0
	Beware use of 0.06 eg 1.58 – 1.52 = 0.06		M0

Q2. (2019)

17	Alternative method 1		
	0.03 × 200 or 6 or 0.035 × 200 or 7 or 0.015 × 200 or 3 or 0.01 × 200 or 2	M1	
	0.035 × 200 or 7 and 0.01 × 200 or 2	M1dep	
	5	A1	
	Alternative method 2		
	0.035 – 0.01 or 0.025	M1	
	their 0.025 × 200	M1dep	
	5	A1	
	Additional Guidance		
	Condone errors in calculating 6 or 3 as only the values 7 and 2 are required to correctly answer the question eg 5, 7, 3, 2 the range is 7 – 2 = 5		M1M1A1
	5 on answer line does not imply full marks, method must be checked eg 0.03 × 200 = 6 6 – 3 = 3		M1M0A0

Q3. (2019)

8	$x = \frac{y+2}{3}$	B1	
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