Q1. (2018)

8	20, 20, 20, 10, 5, 5	B2	Any order B1 for 20, 20, 10, 5, 5, 5 or 20, 20, 10, 10, 5, 5 or 20, 20, 20, 20, 10, 5
	Additional Guidance		
	Mark answer line first, if blank look for clear indication of six banknotes in working		
	20 × 3, 10, 5 × 2		B2
	Answer not using six banknotes		B0
	Answer using values other than 5, 10 or 20		B0

Q2. (2019)

(A)

6(a)	**Alternative method 1**		
	8.8(0) ÷ 11 or (0).8(0) or 880 ÷ 11 or 80	M1	oe 8.8(0) × 14 or 123.2(0) or 880 × 14 or 12320
	their (0).8(0) × 3 (+ 8.8(0)) or 2.4(0) (+ 8.8(0)) or their 80 × 3 (+ 880) or 240 (+ 880) or their (0).8(0) × 14 or their 80 × 14 or 11.2 or 1120	M1dep	oe their 123.2(0) ÷ 11 or their 12320 ÷ 11
	11.20	A1	Condone (£)11.20p
	Alternative method 2		
	11 ÷ 8.8(0) or 1.25 or 11 ÷ 880 or 0.0125	M1	oe
	14 ÷ their 1.25 or 14 ÷ their 0.0125 or 11.2 or 1120	M1dep	oe
	11.20	A1	Condone (£)11.20p
	Additional Guidance		
	8.8(0) × $\frac{14}{11}$ or 8.8(0) × 1.27(…)		M1M1
	$\frac{56}{5}$ is oe for 11.2		M1M1
	$\frac{4}{5}$ is oe for 0.8, $\frac{5}{4}$ is oe for 1.25, $\frac{1}{80}$ is oe for 0.0125		M1

(B)

6(b)	**Alternative method 1 – answer in (a) correct or answer in (a) not used**		
	Ticks the box The total cost is **less** than my answer to part (a) and correct reason	B2	correct reasons include more tracks cost less 10(p) (less) (costs) (£)11.1(0) B1 Ticks the box The total cost is **less** than my answer to part (a)
	Alternative method 2 – answer in (a) incorrect and used for comparison		
	Ticks the box for the correct decision for comparison with their answer in part (a) and correct reason from comparison with their answer in part (a)	B2ft	B1ft Ticks the box for the correct decision for comparison with their answer in part (a)

6(b) cont	**Additional Guidance**	
	Condone irrelevant statements with a correct reason	
	Do not accept an incorrect reason with a correct reason	
	Examples of correct reasons	
	6 x 0.85 = 5.1, 8 x 0.75 = 6, 6 + 5.1 = 11.1	
	+ 30p – 40p	
	2 tracks less by 5p means 10p	
	8 is more than 6 and cancels the 6 5ps added as 8 5ps taken away	
	Only 6 tracks cost 5p more on each and 8 tracks cost 5p less on each, so the 8 tracks that are less take away the extra money you pay for 6	
	The cost of 8 tracks is less by 5p each, but the cost of 6 tracks is more by 5p, this means that everything cancels apart from 2 of the 8 tracks	
	The first 6 are 5p more, the last 8 are 5p less this means it is cheaper	
	You are taking 5p off more tracks than you are adding 5p	
	Cost is less as adding 5p on only 6 but taking away 5p on 8	
	8 less by 5p, 6 more by 5p, 8 is more than 6	
	Examples of incorrect reasons	
	As 6 tracks are 5p more on each but 8 tracks are 5p less on each (no reference to 8 being greater than 6)	
	8 tracks is more than 6 tracks (no reference to cost)	
	Because 8 – 6 = 2 so therefore there are 2 less (no reference to cost)	
	Because 8 tracks is less by 5p so 16 will be less by 10p	
	If the tracks are cheaper then the total price will be cheaper (referring to the cost of all 14 tracks being 5p cheaper)	
	The more tracks, the less money each is worth by 5p each (referring to the cost of all 14 tracks being 5p cheaper)	
	Because there are more than 8 tracks on B so it's less because it's 5p less for each track (referring to the cost of all 14 tracks being 5p cheaper)	

Q3. (2019)

8	**Alternative method 1**		
	Subtracts 17, 34, 51 or 68 from 84 or subtracts any multiple of 3 from 84 or subtracts any three equal positive whole numbers from 84	M1	implied by 67, 50, 33 or 16 or implied by a multiple of 17 plus three positive whole numbers that sum to 84 or implied by a multiple of 3 and another positive whole number that sum to 84 or implied by four positive whole numbers, three of which are equal, that sum to 84
	Subtracts 17, 34, 51 or 68 from 84 and then divides by 3 or subtracts any multiple of 3 from 84 and then divides by 17 or subtracts any three equal positive whole numbers from 84 and then divides by 17	M1dep	implied by 22.3(…), 16.6(…) or 16.7, 11 or 5.3(…)
	51, 11, 11, 11	A1	any order
	Alternative method 2		
	A correctly evaluated trial using addition of a multiple of 17 and three equal positive whole numbers or addition of a multiple of 17 and a multiple of 3	M1	
	A different correctly evaluated trial using addition of a multiple of 17 and three equal positive whole numbers or addition of a multiple of 17 and a multiple of 3	M1dep	
	51, 11, 11, 11	A1	any order

8 cont	**Additional Guidance**	
	Answer of 51 and 11 with indication of three 11s in working	M1M1A1
	Answer line blank with 51 and three 11s indicated as their four numbers	M1M1A1
	Answer line blank with 51 and three 11s in working	M1M1A0
	Answer of 51 and 11 with no indication of three 11s in working	M1M1A0
	34, 20, 20, 10 implies first method mark as a multiple of 17 plus three positive whole numbers that sum to 84	M1M0

Q4. (2019)

9	116(.00)	B4	B3 3 × 34.5(0) + 12.5(0) or 118.25 or 119 or 122 or 121.25 B2 58.75 + 34.5(0) + 2 × 12.5(0) or 2 × 34.5(0) + 4 × 12.5(0) or 34.5(0) + 7 × 12.5(0) or 58.75 + 5 × 12.5(0) B1 10 × 12.5(0) or 125 or 2 × 58.75 or 117.5(0) or 34.5(0) ÷ 3 or 11.5(0) or 58.75 ÷ 5 or 11.75
	Additional Guidance		
	116(.00) identified as answer		B4
	116 in working with different answer		B3
	116.0		B3
	Answer of 117.5(0) with 122 in working		B3

Q5. (2020)

(A)

Q	Answer	Mark	Comments
5(a)	35 × 8 or 38 × 5	B1	
	Additional Guidance		
	Ignore any answer to their calculation		
	Accept a correct response alone or selected in the working space if the answer box is blank or crossed out		

(B)

Q	Answer	Mark	Comments
5(b)	5 × 3 – 8 or 3 × 5 – 8	B1	
	Additional Guidance		
	Ignore any answer to their calculation		
	Accept a correct response alone or selected in the working space if the answer box is blank or crossed out		

(C)

Q	Answer	Mark	Comments
5(c)	$\frac{6+5}{8+3}=1$ or $\frac{6+5}{3+8}=1$	B1	
	Additional Guidance		
	Accept a correct response alone or selected in the working space if the answer box is blank or crossed out		

Q6. (2020)

Q	Answer	Mark	Comments
13	**Alternative method 1**		
	2.8(0) ÷ 0.2(0) or 14	M1	oe eg 280 ÷ 20
	their 14 × 0.5(0) or 7(.00) or their 14 × (0.5(0) + 0.2(0)) or their 14 × 0.7(0) or 9.8	M1dep	oe eg 14 × 50 or 700 or 14 × 70 or 980
	9.80	A1	
	Alternative method 2		
	50 ÷ 20 or 2.5	M1	oe
	their 2.5 × 2.8(0) or 7(.00) or (1 + their 2.5) × 2.8(0) or 9.8	M1dep	oe eg their 2.5 × 280 or 700 or 980
	9.80	A1	

Q7. (2021)

Q	Answer	Mark	Comments
1	$x = 8$	B1	

Q8. (2023)

Q	Answer	Mark	Comments
7	25 × 10.2(0) or 255	M1	oe
	10 − 7 + 3 − 1 or 3 + 2 or 5 or (10 − 7) × 11.8(0) or 3 × 11.8(0) or 35.4(0) or (3 − 1) × 11.8(0) or 2 × 11.8(0) or 23.6(0)	M1	oe
	their 5 × 11.8(0) or their 35.4(0) + their 23.6(0) or 59	M1dep	oe dep on 2nd M their 35.4(0) and their 23.6(0) must both be from correct methods
	314(.00)	A1	SC2 325.8(0) or 337.6(0)
	Additional Guidance		
	314.0	M3A0	

Q9. (2023)

Q	Answer	Mark	Comments
15	496 ÷ 8 or 62	M1	oe eg 8 × 62
	5 × their 62 or 310	M1dep	oe $496 \times \frac{5}{8}$ is M2
	638 – their 310 or 328 or (638 – their 310) ÷ 2	M1dep	oe dep on M2
	164	A1	
	Additional Guidance		
	Up to M3 may be awarded for correct work, with no answer or incorrect answer, even if this is seen amongst multiple attempts		

Q10. (2024)

Q	Answer	Mark	Comments
4	50p 10p 10p 1p	B2	any order units required for each coin B1 50 10 10 1 in any order without all units or set of valid coins that make 71p (with correct units or without units) eg 10 1 20 20 20 or 50 20 1
	Additional Guidance		
	Units may be seen in the working but missing on the answer line for B2		
	50p 10p 10p 1p in working with answer 0.50p 0.10p 0.10p 0.01p		B1
	Accept £0.50, condone £0.50p		
	Units of the form 0.50p are incorrect		
	If all four coins are in a consistent form to show 50 10 10 1 eg 0.50p 0.10p 0.10p 0.01p condone for B1		