BEST BUYS

Pearson Edexcel - Tuesday 6 November 2018 - Paper 1 (Non-Calculator) Foundation Tier

1.

18	Jan's store (supported)	P1	process to reduce £5 by 20% (= £4) **or** increase 400 by 30% (= 520)	May work in pence throughout Accept any correct appropriate percentage process
		P1	process to reduce £5 by 20% (= £4) **and** increase 400 by 30% (= 520)	
		P1	(dep P2) process to find comparable values, eg 400 ÷ "4" **and** "520" ÷ 5	May use £/g or any other comparable values
		C1	'Jan's store' fully supported by correct comparative values, eg 100 (g/£) and 104 (g/£)	Do not award without correct comparable values and full working.

Pearson Edexcel - Wednesday 8 November 2017 - Paper 3 (Calculator) Foundation Tier

2.

4	(a)	5.80 × 3 + 7.80 = 25.20	90p or £0.90	M1	for a correct first step from which a complete method could be developed, eg. 5.8(0) × 3 (= 17.4(0)) or 24.3(0) – 7.8(0) (= 16.5(0))
				M1	for complete method, eg. 7.8(0) + 5.8(0) × 3 − 24.3(0) (= 0.9(0))
				A1	for answer in correct notation with correct units, eg. 90p or £0.90 (accept £0.90p and £0.9) [SC: B1 for an answer of £2.90]
	(b)		8.27pm	M1	for using 60 mins = 1 hour in the conversion of 102 minutes, eg. 1 h 42 mins or 1.42 or 1.7 or (60 + 42) mins or 102 − 60 or 102 ÷ 60 or for an answer of 8.27am or 08.27
				A1	for 8.27(pm) oe

3.

11		Offer 1	P1	for a process to find the cost of a number of lessons in Offer 1, eg. 24 × (12 – 1) (= 264) or for a process to find 5% (or 95%) of an appropriate amount, eg. 24 × 0.05 (= 1.20) or 24 × 0.95 (= 22.80) in Offer 2
		(supported)	P1	for a complete process leading to values to be used for comparison, eg. 24 × (12 – 1) (= 264) and 24 × 0.95 × 12 (= 273.60)
			C1	Offer 1 and correct values, eg. (£)264 and (£)273.6(0) used for comparison

4.

20		New York (supported)	P1	for changing between £ and $, eg 1.089×1.46 (= 1.58(9.)) or 2.83÷1.46 (= 1.93(8.)) or between litres and gallons, eg 1.089×3.785 (= 4.12(1.)) or 2.83÷3.785 (= 0.74(7.))
			P1	for a complete process to give values that can be used for comparison, eg "1.938..." ÷ 3.785 (= 0.51(2.)) **or** "1.589..."...× 3.785 (= 6.01(7.)) **or** 1.089 × 3.785 = (4.12(1.)) and 2.83 ÷ 1.46 (= 1.93(8.))
			C1	for New York and correct comparative values.

OCR Tuesday 6 November 2018 – Morning (Calculator) Foundation Tier

5.

15	(a)		Medium with correct comparisons **and** valid reason	4	**M3** fully correct method and values to compare all 3 packs Or **M2** fully correct method to compare all 3 packs Or **M1** for fully correct method to compare any 2 packs After **M0** or **M1** **SC2** for 3 correct comparable values	Condone 150 or [£]3.55 for medium Accept fully correct alternative methods Accept consistent working in pence or pounds SC2 **replaces** M1
	(b)		Correct statement	1		Do not accept contradictory statements See exemplars

6.

21			8 cao	4	**M3** for $\frac{\textit{their}60\times2.25-125}{125}$ soi [0].08 or **M2** for *their* 60×2.25 – 125 soi 10 or **M1** for 60×2.25 soi 135	allow work in £ or p, alt method : **M3** for $\frac{\textit{their}60\times2.25}{125}-1$ soi [0].08 or **M2** for *their* 135 ÷ 125 soi by 1.08 or 108% or **M1** for 60×2.25 soi 135 OR **M3** for $\frac{2.25-\textit{their}125\div60}{\textit{their}125\div60}$ soi[0].08 or **M2** for 2.25 – *their* 125 ÷ 60 soi 0.16[6…] or 0.17 or **M1** for 125 ÷ 60 soi 2.08[3…]

OCR Tuesday 12 June 2018– Morning (Calculator) Foundation Tier

7.

5			Correct unit cost for 20 or 24 biscuits linked to pack size Correct unit cost for other number of biscuits consistent with first unit cost and linked to pack size Incorrect oe and both equal oe	**B1** **B1** **B1dep**	Examples **B1** for [20 bisc] 7.5 [each] then **B1** for [24 bisc] 7.5 [each] OR **B1** for [20 bisc] [60 cost] 4.50 then **B1** for [24 bisc] [60 cost] 4.50 **B1 dep** on previous **B2** If 0 scored **SC1** for figs (7[5] or 8 or 13[3..] or 45 or 9) seen twice	Unit may be 1 or equal multiples of 20 and 24. Condone wrong money notation Number biscuits / Using £ / Using p 1 / 0.075 / 7.5 1 / 0.13[3...] / 13[.3...] 60 / 4.50 / 450 120 / 9 / 900 For other costs method must be seen See AG

OCR Monday 6 November 2017– Morning (Calculator) Foundation Tier

8.

3			100 gram packet with a correct comparison ISW	3	**M1** for correctly finding the cost of 1 gram, 25 grams, 100 grams or other amount suitable for comparison and **M1** for attempting to find the cost of the **same** amount of tea for each packet weight (eg 25 grams or 100 grams) evaluation does not need to be correct	eg 100g of 25g pkt costs [£]4.2[0] eg 25g of 100g pkt costs [£]1.04 other comparisons must be correct to 3sf or better Or for attempt to find two values of grams per pound or grams per pence

Pearson Edexcel – Sample Papers - Paper 1 (Non-Calculator) Foundation Tier

9.

16		loss (supported by correct figures)	P1	process to find total spent eg. 20×7 (=140)
			P1	complete process to find profit from full price oranges eg. $\frac{2}{5} \times 25 \times 20 \times 40 (= 8000)$
			P1	complete process to find profit from reduced price oranges eg. $50 \times \left(\frac{3}{5} \times 25 \times 20 \right) \div 3 (=5000)$
			P1	complete process to find total income with consistent units
			A1	loss with £10 **or** −£10 **or** £130 **and** £140

Pearson Edexcel –Sample Papers - Paper 2 (Calculator) Foundation Tier

10.

17	£ per kg: 1.89÷2 = 0.945 (94.5); 4.30÷5 = 0.86 (86); 8.46÷9 = 0.94 (94) kg per £: 2÷1.89 = 1.058(2..) ; 5÷4.30 = 1.162(79…); 9÷8.46 = 1.0638(297…) Price per 90 kg: 1.89×45 = 85.05; 4.30×18 = 77.4(0); 8.46×10 = 84.6(0)	5 kg (supported)	P1	for a process (for at least two boxes) of division of price by quantity or division of quantity by price or a complete method to find price of same quantity or to find quantity of same price
			P1	for a complete process to give values that can be used for comparison of all 3 boxes
			C1	for 5 kg and correct values that can be used for comparison for all 3 boxes and a comparison of their values

Pearson Edexcel – Sample Papers - Paper 3 (Calculator) Foundation Tier

11.

22		Have a water meter (from working with correct figures)	P1	Process to find number of litres eg. 180 ÷ 1000
			P1	Full process to find cost per day
			P1	Full process to find total cost of water used per year (accept use of alternative time period for both options)
			P1	Full process with consistent units for total cost of water
			A1	Correct decision from correct figures (88.13154 or correct figure for their time period)

OCR Sample Question Paper 1 – Morning/Afternoon (Calculator) Foundation Tier

12.

3			£1.38 with working shown	**3** **1 AO1.3a** **1 AO3.1d** **1 AO3.3**	**M1** for $7 \times \frac{3}{8}$ **M1** for 89p + 49p or 3 × 49p or 2 × 49p > 89p OR **B1** for £1.38 without working	Condone 138p

AQA Monday 8 June 2020 – Morning (Calculator) Foundation Tier

13.

Q	Answer	Mark	Comments
14(a)	3 × 48 + 4 × 26 or 144 + 104 or 248	M1	oe
	Any combination of ticket prices for 3 adults and 4 children involving at least one special offer	M1	oe eg 120 + 82 or 202 or 2 × 82 + 48 or 164 + 48 or 212 or 120 + 48 + 2 × 26 or 120 + 48 + 52 or 220 or 82 + 2 × 48 + 2 × 26 or 82 + 96 + 52 or 230
	their 248 – their combination total for 3 adults and 4 children	M1dep	oe eg 248 – 120 – 82 if fully correct or 248 – 212 or 36 or 248 – 220 or 28 or 248 – 230 or 18 dep on second M mark
	46	A1	
	Additional Guidance		
	Award M1, M2 or M3 work even if not subsequently used		
	If no correct working is shown for the first M mark then their 248 must be a value of 148 or greater		

Q	Answer	Mark	Comments
14(b)	$48 \times \frac{1}{4}$ or 12 or $5 \times 48 \times \frac{1}{4}$ or 60	M1	oe implied by $48 \times \left(1-\frac{1}{4}\right)$ or 36
	$5 \times 48 - 5 \times 48 \times \frac{1}{4}$ or $240 - 60$	M1dep	oe eg $5 \times 48 \times \frac{3}{4}$ or $240 \times \frac{3}{4}$ or 5×36
	180	A1	
	Additional Guidance		
	180 and $240 - 180 = 60$		M1M1A0

AQA Thursday 11 June 2019 – Morning (Calculator) Foundation Tier

14.

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

AQA Tuesday 13 June 2017 Morning– Morning (Calculator) Foundation Tier

15.

18	**Alternative method 1 of 6 – cost per hour**		
	3.6(0) ÷ 8 or (0).45 or 2.94 ÷ 6 or (0).49	M1	360 ÷ 8 or 45 or 294 ÷ 6 or 49
	their (0).45 ÷ 5 or (0).09 or their (0).49 ÷ 5.5 or (0).08(9…)	M1dep	their 45 ÷ 5 or 9 or their 49 ÷ 5.5 or 8.(9…)
	their (0).45 ÷ 5 **and** their (0).49 ÷ 5.5	M1dep	their 45 ÷ 5 **and** their 49 ÷ 5.5
	(£)0.09 and (£)0.08(9…)	A1	9(p) and 8.(9…) (p)
	brand B	A1ft	ft correct decision for their values with M3 scored
	Alternative method 2 of 6 – cost per hour from price of pack		
	8 × 5 or 40 or 6 × 5.5 or 33	M1	
	3.6(0) ÷ their 40 or (0).09 or 2.94 ÷ their 33 or (0).08(9…)	M1dep	360 ÷ their 40 or 9 or 294 ÷ their 33 or 8.(9…)
	3.6(0) ÷ their 40 **and** 2.94 ÷ their 33	M1dep	360 ÷ their 40 **and** 294 ÷ their 33
	(£)0.09 and (£)0.08(9…)	A1	9(p) and 8.(9…) (p)
	brand B	A1ft	ft correct decision for their values with M3 scored

Alternative method 3 continues on the next page

18 cont	**Alternative method 3 of 6 – number of hours per unit cost from number of batteries**		
	3.6(0) ÷ 8 or (0).45 or 2.94 ÷ 6 or (0).49	M1	360 ÷ 8 or 45 or 294 ÷ 6 or 49
	5 ÷ their (0).45 or 11.1(…) or 5.5 ÷ their (0).49 or 11.2(…)	M1dep	5 ÷ their 45 or (0).111(…) or 5.5 ÷ their 49 or (0).112(…)
	5 ÷ their (0).45 **and** 5.5 ÷ their (0).49	M1dep	5 ÷ their 45 **and** 5.5 ÷ their 49
	11.1(…) (hours) and 11.2(…) (hours)	A1	(0).111(…) (hours) and (0).112(…) (hours)
	brand B	A1ft	ft correct decision for their values with M3 scored
	Alternative method 4 of 6 - common number of batteries		
	Scaling towards a cost for a common number of batteries (eg 24 batteries) eg 8 × 3 × 5 or 120 **and** 6 × 4 × 5.5 or 132	M1	
	eg 3 × 3.60 or 10.8(0) **and** 4 × 2.94 or 11.76	M1	eg 3 × 360 or 1080 and 4 × 294 or 1176
	eg their 10.8(0) ÷ their 120 or (0).09 **and** their 11.76 ÷ their 132 or (0).08(9…)	M1dep	eg their 1080 ÷ their 120 or 9 **and** their 1176 ÷ their 132 or 8.(9…) dependent on M1M1
	(£)0.09 and (£)0.08(9…)	A1	9(p) and 8.(9…) (p)
	brand B	A1ft	ft correct decision for their values with M3 scored

Alternative method 5 continues on the next page

18 cont	**Alternative method 5 of 6 – number of hours per unit cost from batteries per unit cost**		
	8 ÷ 3.6(0) or 2.2(…) or 6 ÷ 2.94 or 2.04(…)	M1	8 ÷ 360 or 0.022(…) or 6 ÷ 294 or 0.0204(…)
	their 2.2(…) × 5 or 11.1(…) or their 2.04(…) × 5.5 or 11.2(…)	M1dep	their 0.022(…) × 5 or 0.111(…) or their 0.0204(…) × 5.5 or 0.112(…)
	their 2.2(…) × 5 **and** their 2.04(…) × 5.5	M1dep	their 0.022(…) × 5 **and** their 0.0204(…) × 5.5
	11.1(…) (hours) and 11.2(…) (hours)	A1	(0).111(…) (hours) and (0).112(…) (hours)
	brand B	A1ft	ft correct decision for their values with M3 scored
	Alternative method 6 of 6 – cost for common number of battery hours		
	3.6(0) ÷ 8 or (0).45 or 2.94 ÷ 6 or (0).49	M1	360 ÷ 8 or 45 or 294 ÷ 6 or 49
	Scaling towards a common number of battery hours (eg 55 hours) eg their (0).45 × 11 or their (0).49 × 10	M1dep	eg their 45 × 11 or their 49 × 10
	eg their (0).45 × 11 **and** their (0).49 × 10	M1dep	eg their 45 × 11 **and** their 49 × 10
	eg (£)4.95 and (£)4.9(0)	A1	eg 495(p) and 490(p)
	brand B	A1ft	ft correct decision for their values with M3 scored

Additional Guidance continues on the next page

18 cont	**Additional Guidance**	
	For the first A mark the values must not be rounded to the same value	
	A1ft can be awarded after A0 for the same value for the correct decision eg 0.09 and 0.09 with decision 'both the same'	M3A0A1ft
	8 × 5 = 40 and 40 ÷ 3.6(0) **and** 6 × 5.5 = 33 and 33 ÷ 2.94 is equivalent to 8 ÷ 3.6(0) × 5 **and** 6 ÷ 2.94 × 5.5 on Alt 5	M3
	8 × 5 = 40 and 40 ÷ 3.6(0) is equivalent to 8 ÷ 3.6(0) × 5 on Alt method 5	M2
	6 × 5.5 = 33 and 33 ÷ 2.94 is equivalent to 6 ÷ 2.94 × 5.5 on Alt method 5	M2
	(0).45 ÷ 5	M1M1
	(0).45 ÷ 5 and (0).49 ÷ 5.5	M1M1M1
	(0).45 ÷ 5 and (0).415 ÷ 5.5 0.415 is not from a correct method	M1M1M0
	In Alt method 4 M1M1 can be awarded in either order	
	In Alt method 5 their 2.2(…) must be correct or from correct method their 2.04(…) must be correct or from correct method	
	Accept misread of 4 batteries (A) or 3 batteries (B) for up to M3A0A1ft	
	Accept working with minutes eg in Alt method 3 for 2nd M1dep accept 300 ÷ 45 = 6.6(…) or 6.7 or 330 ÷ 49 = 6.7(…) for 3rd M1dep accept 300 ÷ 45 **and** 330 ÷ 49 for first A mark must see 6.6(…) or 6.67 **and** 6.7(…) or 6.7 **and** 6.73(…)	

AQA Sample Paper 2– Morning (Calculator) Foundation Tier

16.

17	**Alternative method 1**		
	5 × 24.2 or 121 (miles)	M1	
	their 121 ÷ 32.3 or [3.74, 3.75] (gallons)	M1	
	their [3.74, 3.75] × 4.5 or [16.8, 16.9] (litres)	M1	
	their [16.8, 16.9] × 1.27	M1	
	[21.33, 21.47] and bus	A1	Accept 21 and bus if working shown
	Alternative method 2		
	5 × 24.2 or 121 (miles)	M1	
	their 121 ÷ 32.3 or [3.74, 3.75] (gallons)	M1	
	1.27 × 4.5 or 5.71(5) or 5.72	M1	
	their [3.74, 3.75] × their 5.71(5)	M1	
	[21.33, 21.47] and bus	A1	Accept 21 and bus if working shown

Alternative methods 3 and 4 on next page

17	**Alternative method 3**		
	19.50 ÷ 5 or 3.9(0)	M1	
	24.2 ÷ 32.3 or [0.74, 0.75] (gallons)	M1	
	their [0.74, 0.75] × 4.5 or [3.3, 3.4] (litres)	M1	
	their [3.3, 3.4] × 1.27	M1	
	[4.19, 4.32] and 3.9(0) and bus	A1	Accept 4 and 3.9(0) and bus if working shown
	Alternative method 4		
	19.50 ÷ 5 or 3.9(0)	M1	
	24.2 ÷ 32.3 or [0.74, 0.75] (gallons)	M1	
	1.27 × 4.5 or 5.71(5) or 5.72	M1	£ per gallon
	their [0.74, 0.75] × their 5.71(5)	M1	
	[4.19, 4.32] and 3.9(0) and bus	A1	Accept 4 and 3.9(0) and bus if working shown

AQA Sample Paper 3– Morning (Calculator) Foundation Tier

17.

13	0.1 × 32 or 3.2(0)	M1	oe 0.9 × 32 or 28.8(0) scores M2
	32 – their 3.2(0) or 28.8(0)	M1dep	
	2000 ÷ their 28.8(0) or 69.(44...)	M1	Condone their 28.8 being 32
	2000 ÷ 28.5(0) or 70.(17...) or 28.5 × 70 = 1995	M1	
	69 and 70 seen and 70 chosen	A1	