

ERROR INTERVALS

Pearson Edexcel – Monday 8 June 2020 - Paper 3 (Calculator) Higher Tier

1.

3	9.35, 9.45	B1	for 9.35 in the correct position	Accept 9.449̇ oe or 9.4499...oe
		B1	for 9.45 in the correct position	

Pearson Edexcel - Thursday 6 June 2019 - Paper 2 (Calculator) Higher Tier

2.

6	8.3 and 8.4	B1	for 8.3 in the correct position	Accept 8.39̇ or 8.399...
		B1	for 8.4 in the correct position	

Pearson Edexcel - Thursday 8 November 2018 - Paper 2 (Calculator) Higher Tier

3.

9	$7 \leq N < 8$	M1	for identifying the key numbers 7 and 8	Ignore any inequality symbols used at this stage Accept 7.9 (recurring) for 8 as shown by 7.999 or 7.9... or recurring notation (or words)
		A1	cao	

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

4.

5	(a)		0.625	B1	cao
			$9.75 \leq x < 9.85$	B2	for $9.75 \leq x < 9.85$
				[B1	for 9.75 or 9.85 (or 9.849̇)]

Pearson Edexcel - Thursday 8 June 2017 - Paper 2 (Calculator) Higher Tier

5.

7		$4.755 \leq n < 4.765$	B2 [B1	for $4.755 \leq n < 4.765$ for 4.755 or 4.765 or 4.7649]
---	--	------------------------	-----------	---

Pearson Edexcel - Specimen Papers Set 2 - Paper 3 (Calculator) Higher Tier

6.

4			$7.15 \leq x < 7.25$	B1 for 7.15 and 7.25 B1 cao
---	--	--	----------------------	--------------------------------

OCR GSCE – Tuesday 3 November 2020 – Paper 4 (Calculator) Higher Tier

7.

11	(a)		4.715 4.725	2	B1 for each or both correct and reversed	
	(b)		7 25	5	B4 for 7.41[0...] or 7.411 OR B1 for 425 used B1 for 57.35 or 57.349[9...] used If B0 then B1 for 425 and 57.35 seen AND M2 for 425 + 57.35 or M1 for use of distance + speed e.g 430 + 57.3 If 4 or 5 not scored SC1 for correctly changing <i>their</i> part hour to minutes	Condone use of 57.349[9...] for M2 and for M1 420 ≤ distance ≤ 440 and 56 ≤ speed ≤ 58

OCR GSCE – Tuesday 21 May 2019 – Paper 4 (Calculator) Higher Tier

8.

11			[55.5 + 9.25 or 9.249 =] 6	4	6 must not come from a rounded answer B1 for 55.5 B1 for 9.25 condone 9.2499 or better M1 for <i>their</i> 55.5 + <i>their</i> 9.25 (55.5 ≤ <i>their</i> 55.5 ≤ 56.5 and 9.15 ≤ <i>their</i> 9.25 ≤ 9.25)
----	--	--	----------------------------	---	--

OCR GSCE – Tuesday 2 November 2017 – Paper 4 (Calculator) Higher Tier

9.

12			24	4	B3 for 24.7 or 24.6[6...] OR B1 for 18.5 or 1850 B1 for 0.75 or 75 M1 for <i>their</i> 1850 + <i>their</i> 75 oe soi by 24.7 or 24.6[6...]	condone 18.49 or 1849 in this question 1750 ≤ <i>their</i> 1850 ≤ 1850 and 70 ≤ <i>their</i> 75 ≤ 90 allow work in metres e.g. use of 1.75, 1.85, .7, .9
----	--	--	----	---	--	--

OCR GSCE – Thursday 25 May 2017 – Paper 4 (Calculator) Higher Tier

10.

2			8.25 8.35	2	B1 for either one correct or for both correct but reversed
---	--	--	-----------	---	--

OCR GSCE – Sample Papers – Paper 5 (Non - Calculator) Higher Tier

11.

8			6	3 1 AO1.3b 1 AO3.1d 1 AO3.3	B1 for 0.75 m M1 for $\frac{4}{\text{their}'0.75}$ Or 5 x 0.75 = 3.75
---	--	--	---	--------------------------------------	--

AQA GCSE – Thursday 8 June 2020 – Paper 3 (Calculator) Higher Tier

12.

Q	Answer	Mark	Comments
5(a)	17 500	B1	
	Additional Guidance		
	Accept response in words		

Q	Answer	Mark	Comments
5(b)	18 499	B1	
	Additional Guidance		
	Accept response in words		
	$18499.\dot{9}$ or $1849\dot{9}$		B0

AQA GCSE – Thursday 6 June 2019 – Paper 2 (Calculator) Higher Tier

13.

2	$11.5 \text{ m} \leq \text{height} < 12.5 \text{ m}$	B1	
	Additional Guidance		

AQA GCSE – Thursday 6 June 2019 – Paper 2 (Calculator) Higher Tier

14.

17	68.3 – 0.05 or 68.25 or 68.3 + 0.05 or 68.35 or 8.7 – 0.05 or 8.65 or 8.7 + 0.05 or 8.75	M1	accept 68.349 for 68.35 accept 8.749 for 8.75 may be seen in an inequality eg $68.25 \leq p < 68.35$
	$\frac{[68.2, 68.3] - 2 \times (8.7, 8.8)}{2}$	M1	oe $\frac{68.25 - 2 \times 8.75}{2}$ or $\frac{68.25 - 17.5}{2}$ or $\frac{50.75}{2}$ is M2
	25.375 or $\frac{203}{8}$ or $25\frac{3}{8}$	A1	SC2 Answer 25.375 and 25.525
	Additional Guidance		
	1st M1 If given as an inequality condone incorrect notation eg $68.25 \leq p \leq 68.35$		M1
	Ignore any subsequent rounding after 25.375 seen		
	Condone eg 68.250 for 68.25		M1
Answer 25.3 or 25.4 with no correct working		M0M0A0	
Only working for upper bound eg $\frac{68.35 - 2 \times 8.65}{2} = 25.525$		M1M0A0	

AQA GCSE – Monday 12 November 2018 – Paper 3 (Calculator) Higher Tier

15.

5	109.5 in the correct position	B1	oe
	110.5 in the correct position	B1	oe Allow 110.49 answers reversed score B0B1
	Additional Guidance		
	110.4999...		B1
110.4999		B0	

AQA GCSE – Thursday 7 June 2018 – Paper 2 (Calculator) Higher Tier

16.

9(a)	8.35 and 8.45 in the correct order	B2	B1 8.35 on the left or 8.45 on the right or 8.45 and 8.35 in the wrong order accept 8.44 $\dot{9}$ for 8.45
	Additional Guidance		
	Do not accept 8.449... for 8.44 $\dot{9}$		

9(b)	41.75 and 42.25	B1ft	correct or ft their two different values from (a) their 8.35 must be in the range (8.3, 8.4] their 8.45 must be in the range (8.4, 8.5] correct order or ft order accept 42.24 $\dot{9}$ for 42.25
	Additional Guidance		
	(8.3, 8.4] does not include 8.3 but does include 8.4 (8.4, 8.5] does not include 8.4 but does include 8.5		
	Answer of 8.35 and 8.44 in part (a) leading to 41.75 and 42.2		B1ft
	Answer of 8 and 9 in part (a) leading to 40 and 45		B0ft

AQA GCSE – Tuesday 13 June 2017 – Paper 3 (Calculator) Higher Tier

17.

7(a)	5.5 in the correct position	B1	oe
	6.5 in the correct position	B1	oe
	Additional Guidance		
	5.50 or $5\frac{1}{2}$ or $\frac{11}{2}$		B1
	6.50 or $6\frac{1}{2}$ or $\frac{13}{2}$		B1

7(b)	One correctly evaluated trial using (6, 6.5] + (4, 4.5) or (6, 6.5) + (4, 4.5]	M1	eg 6.3 + 4.1 = 10.4
	or two values in the ranges given that work if correctly evaluated		eg 6.4, 4.2
	One correctly evaluated trial using (6, 6.5) + (4, 4.5) with an answer that rounds to 11	A1	eg 6.4 + 4.2 = 10.6 Ignore fw
	Additional Guidance		
	6.4 + 4.4 = 10.8 (= 11) do not need to show 11		M1A1
	6.4999 + 4.4999 = 10.9998		M1A1
	6.5 + 4.4 = 10.9		M1A0
	4.5 + 6.2 = 10.7		M1A0
	6 + 4 = 10		M0
	6.5 + 4.5 = 11		M0
$6.\dot{4}\dot{9} + 4.\dot{4}\dot{9} = 11$		M0	