

## ROUNDING

### Pearson Edexcel - Tuesday 19 May 2020 - Paper 1 (Non-Calculator) Foundation Tier

1.

3	5	B1	cao	
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### Pearson Edexcel - Thursday 4 June 2020 - Paper 2 (Calculator) Foundation Tier

2.

2	29000	B1	cao	
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### Pearson Edexcel - Monday 8 June 2020 - Paper 3 (Calculator) Foundation Tier

3.

25	9.35, 9.45	B1	for 9.35 in the correct position	Accept 9.449 oe or 9.4499... oe
		B1	for 9.45 in the correct position	

### Pearson Edexcel - Tuesday 11 June 2019 - Paper 3 (Calculator) Foundation Tier

4.

1	500	B1	cao	
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### Pearson Edexcel - Tuesday 6 November 2018 - Paper 1 (Non-Calculator) Foundation Tier

5.

4	8000	B1	cao	
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### Pearson Edexcel - Thursday 24 May 2018 - Paper 1 (Non-Calculator) Foundation Tier

6.

1	6000	B1	cao	Accept 6 thousand or six thousand
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**Pearson Edexcel - Thursday 7 June 2018 - Paper 2 (Calculator) Foundation Tier**

7.

2		1.6	B1	cao	
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**Pearson Edexcel - Tuesday 12 June 2018 - Paper 3 (Calculator) Foundation Tier**

8.

3		2500	B1	cao	
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**Pearson Edexcel - Wednesday 8 November 2017 - Paper 3 (Calculator) Foundation Tier**

9.

1		4000	B1	for 4000	
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**Pearson Edexcel – Specimen 2 - Paper 2 (Calculator) Foundation Tier**

10.

1		7000	B1	cao	
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**Pearson Edexcel – Specimen 1 - Paper 1 (Non-Calculator) Foundation Tier**

11.

3		4.44	B1	cao	
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**Pearson Edexcel – Specimen 1 - Paper 3 (Calculator) Foundation Tier**

12.

1		6000	B1	cao	
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**OCR Tuesday 5 November 2019 – Morning (Calculator) Foundation Tier**

13.

15		Accept any correctly matched pair where Andrea > Joel and values quoted are 165 < Andrea < 165.5 165 ≤ Joel < 165.5	3	B1 for value 165 < Andrea < 165.5 B1 for value 165 ≤ Joel < 170	For B1 if choice of values given all must be in range, unless acceptable value(s) indicated Values must be clearly associated with either Andrea or Joel as appropriate.
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**OCR Monday 11 November 2019 – Afternoon (Calculator) Foundation Tier**

14.

3	(a)		33000	1	
	(b)		30000	1	

**OCR Tuesday 21 May 2019 – Morning (Calculator) Foundation Tier**

15.

14	(a)	(i)	360 cao	1	
		(ii)	356.1 cao	1	
	(b)	(i)	4	1	Do not accept 3 <sup>4</sup>
		(ii)	8	1	Do not accept 6 <sup>8</sup>

**OCR Thursday 6 June 2019 – Morning (Non-Calculator) Foundation Tier**

16.

2			[£]3.6[0]	2	<p><b>B1</b> for 4 or 90 or 0.9 or <b>M1</b> for 4 lots of 87 or 4 lots of their attempt to round 87</p>	<p>Condone 3.6[0] rounded to give an answer of 4 for 2 marks</p> <p><b>M1</b> implied by answer 360 or 3.48</p>
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**OCR Tuesday 6 November 2018 – Morning (Calculator) Foundation Tier**

17.

7	(a)		81.5 or $8.15 \times 10^1$ cao	1	
	(b)		0.00569 or $5.69 \times 10^{-3}$ cao	1	

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

18.

2	(a)	(i)	3100	1	
		(ii)	0.03	1	
		(iii)	3	1	Accept +3
	(b)		-6	1	
	(c)		0.06 0.4 0.444 0.46 0.5	2	<p><b>B1</b> for four in correct order</p> <p>Use "cover up" method and accept all to 3 dp, eg 0.460</p>

**OCR Thursday 2 November 2017– Morning (Calculator) Foundation Tier**

19.

3	(a)	(i)	7900	1		
		(ii)	8000	1		
	(b)		7	1		Do not allow 3'

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

20.

1		2100	B1
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**OCR Tuesday 13 June 2017 – Morning (Calculator) Foundation Tier**

21.

9	(a)		7.31 cao	1		
	(b)	(i)	408 000 cao	1		
		(ii)	[0].006 14 cao	1		

**OCR Sample Question Paper 3 – Morning/Afternoon (Calculator) Foundation Tier**

22.

13	(a)		22.5	1 1 AO1.3a		
	(b)	(i)	$4.125 \leq y < 4.135$	2 1 AO1.2 1 AO1.3a	B1 for either limit with correct inequality sign	Condone using x instead of y
		(ii)	$4650 \leq z < 4750$	2 1 AO1.2 1 AO1.3a	B1 for either limit with correct inequality sign	Condone using x instead of z

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

23.

Q	Answer	Mark	Comments
1	6.28	B1	

AQA Thursday 6 June 2019 – Morning (Calculator) Foundation Tier

24.

<b>6(a)</b>	494.325 or $\frac{19\,773}{40}$ or $494\frac{13}{40}$ or 40.96 or $\frac{1024}{25}$ or $40\frac{24}{25}$ or 535.29 or 535.3 or $\frac{107\,057}{200}$ or $535\frac{57}{200}$	M1	
	535.285	A1	
	<b>Additional Guidance</b>		
	Ignore any subsequent truncation or rounding if 535.285 seen in working		M1A1

<b>6(b)</b>	$10^3$ and 2 and $6^2$ and 536 and indicates Sensible	B3ft	ft correct decision for comparing 536 with their 535.285 B2 $10^3$ and 2 and $6^2$ seen B1 any two of 10, 2 and 6 seen allow 1000 to imply 10 or $10^3$ and 36 to imply 6 or $6^2$ for B1 or B2 only
	<b>Additional Guidance</b>		
	Students must give the correct ft decision for part (a) for B3		
	Correct decision for their (a) should be Sensible if their 535.285 is 530 or 540 to 2 sf. Otherwise they should indicate Not sensible		
Condone eg 10.00 for 10 etc			

AQA Thursday 2 November 2017 – Morning (Non-Calculator) Foundation Tier

25.

<b>24</b>	<b>Alternative method 1</b>		
	Three whole numbers that each are less than 80 and have units digit 4 or States that each number must have units digit 4	M1	
	82	A1	
	<b>Alternative method 2</b>		
	Correctly evaluated trial for three whole numbers, none of which are a multiple of 10, and that, when rounded, total 70	M1	eg $33 + 33 + 13 = 79$
	82	A1	
	<b>Additional Guidance</b>		
	$39 + 33 + 13 = 85$ ( $40 + 30 + 10 = 80$ )		M0
	Beware 82 from incorrect values, eg $39 + 24 + 19 = 82$		M0A0
	Ignore incorrectly evaluated trials that do not solely lead to the answer		

AQA Thursday 25 May 2017– Morning (Non-Calculator) Foundation Tier

26.

<b>7</b>	Any two of 60, 50 and 100	M1	$\frac{60 \times 50}{100}$ 60 and 50 may be implied by 3000
	30	A1	
	<b>Additional Guidance</b>		
	30 with no working		M0A0
	28.1... (from original values) and then rounded to 30		M0A0