ROUNDING

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

1.

3 Write 4.666 correct to the nearest whole number.

.....

(Total for Question 3 is 1 mark)

Pearson Edexcel - Thursday 4 June 2020 - Paper 2 (Calculator) Foundation Tier

2.

2 Write 29 381 correct to the nearest 1000

.....

(Total for Question 2 is 1 mark)

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

3.

25 A number, m, is rounded to 1 decimal place.
The result is 9.4

Complete the error interval for m.

..... $\leqslant m <$ .....

(Total for Question 25 is 2 marks)

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

4.

1 Write 478 to the nearest hundred.

.....

(Total for Question 1 is 1 mark)

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

5.

4 Write 7829 to the nearest 1000

.....

(Total for Question 4 is 1 mark)

Pearson Edexcel - Thursday 24 May 2018 - Paper 1 (Non-Calculator) Foundation Tier

6.

1 Write 6324 correct to the nearest thousand.

.....

(Total for Question 1 is 1 mark)

Pearson Edexcel - Thursday 7 June 2018 - Paper 2 (Calculator) Foundation Tier

7.

2 Write 1.59 correct to 1 decimal place.

.....

(Total for Question 2 is 1 mark)

Pearson Edexcel - Tuesday 12 June 2018 - Paper 3 (Calculator) Foundation Tier

8.

3 Write the number 2538 correct to the nearest hundred.

.....

(Total for Question 3 is 1 mark)

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

9.

1 Write 3758 correct to the nearest 1000

.....

(Total for Question 1 is 1 mark)

Pearson Edexcel – Specimen 2 - Paper 2 (Calculator) Foundation Tier

10.

1 Write 6819 to the nearest 1000

.....

(Total for Question 1 is 1 mark)

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

11.

3 Write 4.4354 correct to 2 decimal places.

.....

(Total for Question 3 is 1 mark)

Pearson Edexcel – Specimen 1 - Paper 3 (Calculator) Foundation Tier

12.

1 Write the number 5689 correct to the nearest thousand.

.....

(Total for Question 1 is 1 mark)

OCR Tuesday 5 November 2019 – Morning (Calculator) Foundation Tier

13.

15 Andrea is 165 cm tall, correct to the nearest cm.
Joel is 170 cm tall, correct to the nearest 10 cm.

Show that Andrea could be taller than Joel. **[3]**

OCR Monday 11 November 2019 – Afternoon (Calculator) Foundation Tier

14.

3 **(a)** Round 32 629 to the nearest thousand.

(a) ..... **[1]**

(b) Round 32 629 to 1 significant figure.

(b) ..... **[1]**

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

15.

14 **(a)** **(i)** Round 356 to the nearest ten.

(a)(i) ..... **[1]**

(ii) Round 356.052 to 1 decimal place.

(ii) ..... **[1]**

(b) Find the value of y in each of the following.

(i) $3 \times 3 \times 3 \times 3 = 3^y$

(b)(i) $y =$ ..... **[1]**

(ii) $6^3 \times 6^5 = 6^y$

(ii) $y =$ ..... **[1]**

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

16.

2 By rounding each value to one significant figure, estimate the cost of 3.9 kg of apples at 87p per kg.

£ ..... **[2]**

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

17.

7 **(a)** Round 81.469 to 1 decimal place.

(a) ..... **[1]**

(b) Round 0.005 694 to 3 significant figures.

(b) ..... **[1]**

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

18.

2 **(a)** Write down.

(i) 3091 rounded to the nearest hundred

(a)(i) ..... **[1]**

(ii) 3% as a decimal

(ii) ..... **[1]**

(iii) the cube root of 27

(iii) ..... **[1]**

(b) Complete the statement below using a number from this list.

$^{-}2$ 0 $^{-}6$ 6

$-5 >$ ..... **[1]**

(c) Write the following numbers in order of size, smallest first.

0.4 0.5 0.06 0.444 0.46

.... **[2]**

smallest

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

19.

3 **(a)** Round 7874 to

(i) the nearest hundred,

(a)(i) ..... **[1]**

(ii) 1 significant figure.

(ii) ..... **[1]**

(b) Find the value of x.

$$3^5 \times 3^2 = 3^x$$

(b) x = ... **[1]**

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

20.

1 Write 2148 correct to the nearest 100

.....

(Total for Question 1 is 1 mark)

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

21.

9 **(a)** Round 7.3065 to 2 decimal places.

(a) ..... **[1]**

(b) Round each number to 3 significant figures.

(i) 408231

(b)(i) ..... **[1]**

(ii) 0.006 137 02

(ii) ..... **[1]**

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

22.

13 **(a)** Mia cycled 23 km, correct to the nearest km.

What is the least distance Mia could have cycled?

(a) ..... km **[1]**

(b) A number x, rounded to one decimal place, is 4.7.
So the error interval for x is given by $4.65 \leqslant x < 4.75$.

(i) A number y, rounded to **two** decimal places, is 4.13.

Write down the error interval for y.

(b)(i) ..... **[2]**

(ii) A number z, rounded to two significant figures, is 4700.

Write down the error interval for z.

(ii) ..... **[2]**

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

23.

1 What is 6.2819 to 2 decimal places?

Circle your answer.

[1 mark]

6.2 6.28 6.29 6.3

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

24.

6 (a) Use your calculator to work out $\frac{9.75^3}{1.875} + 6.4^2$

Give your answer as a decimal.

Write down your full calculator display.

[2 marks]

Answer _____

6 (b) Is your answer to part (a) sensible?

Check by rounding each of 9.75, 1.875 and 6.4 to the nearest whole number.

You **must** show your working.

[3 marks]

Tick a box.

☐ Sensible ☐ Not sensible

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

25.

24 Three **whole** numbers are each rounded to the nearest 10

The sum of the rounded numbers is 70

Work out the **maximum** possible sum for the original three numbers.

[2 marks]

Answer _____

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

26.

7 By rounding each number to the nearest 10,

estimate the answer to $\frac{61 \times 47}{102}$

You **must** show your working.

[2 marks]

Answer _____