PLACE VALUE

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

1.

9 Write these numbers in order of size.
Start with the smallest number.

6.72×10^5 67.2×10^{-4} 672×10^4 0.000672

.....

(Total for Question 9 is 2 marks)

Pearson Edexcel - Thursday 2 November 2017 - Paper 1 (Non-Calculator) Higher Tier

2.

8 Write these numbers in order of size.
Start with the smallest number.

$0.24\dot{6}\dot{6}$ $0.246\dot{6}$ $0.\dot{2}46\dot{6}$ 0.246

.....

(Total for Question 8 is 2 marks)

Pearson Edexcel - Monday 9 June 2014 - Paper 1 (Non-Calculator) Higher Tier

3.

17 (a) Write down the value of 10^0

.....

(1)

(b) Write down the value of 10^{-2}

.....

(1)

(c) Write these numbers in order of size.
Start with the smallest number.

2.73×10^3 27.3×10^{-3} 273×10^2 0.00273

.....

(2)

(Total for Question 17 is 4 marks)

Pearson Edexcel - Tuesday 11 June 2013 - Paper 1 (Non-Calculator) Higher Tier

4.

19 Write these numbers in order of size.
Start with the smallest number.

5^{-1} 0.5 -5 5^0

.....

(Total for Question 19 is 2 marks)

Pearson Edexcel - Tuesday 6 November 2012 - Paper 1 (Non-Calculator) Higher Tier

5.

20 Write the following numbers in order of size.
Start with the smallest number.

0.038×10^{2} 3800×10^{-4} 380 0.38×10^{-1}

.....

(Total for Question 20 is 2 marks)

OCR GSCE – Thursday 8 November 2018 – Paper 5 (Non-Calculator) Higher Tier

6.

2 By writing each number correct to 1 significant figure, find an estimate for this calculation.

$$\frac{606.3 \times 0.312}{19.93}$$

..... **[3]**

OCR GSCE – Monday 12 November 2018 – Paper 6 (Calculator) Higher Tier

7.

4 Use the symbols $<$, $\leqslant$, $=$, $>$, or $\geqslant$ to complete this statement.

If $x = 4.7$, **truncated** to 1 decimal place, then 4.7 ..... x ..... 4.8 **[2]**

OCR GSCE – Tuesday 12 June 2018 – Paper 6 (Calculator) Higher Tier

8.

3 Asha worked out $\dfrac{326.8 \times (6.94 - 3.4)}{59.4}$.

She got an answer of 19.5, correct to 3 significant figures.

Write each number correct to 1 significant figure to decide if Asha's answer is reasonable.

.....

..... **[3]**

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

9.

15 **(a)** Write this list of numbers in order, smallest first.

$$\sqrt{35}, \quad \frac{20}{3}, \quad 2.5^2, \quad 6.83$$

(a) .... **[2]**

smallest

(b) Write $(1 + \sqrt{3})^2$ in the form $a + b\sqrt{3}$.

(b) ..... **[3]**

AQA GSCE – Tuesday 19 May 2020 – Paper 1 (Non - Calculator) Higher Tier

10.

21 Write these numbers in order of size.

$15.6 \qquad 3\sqrt{23} \qquad 2.1^4 \qquad \frac{47}{3}$

Start with the smallest.

[2 marks]

Smallest _____

_____

_____

Largest _____

AQA GSCE – Thursday 4 June 2020 – Paper 2 (Calculator) Higher Tier

11.

4 Circle the expression that has the **largest** value when $a < -1$

[1 mark]

$\frac{1}{2}a$ a a^2 a^3

AQA GSCE – Thursday 4 June 2020 – Paper 2 (Calculator) Higher Tier

12.

26 Edith's van can safely carry a maximum load of 920 kilograms.

She wants to use her van to carry

30 sacks of potatoes, each of mass 25 kilograms to the nearest kilogram

and

20 sacks of carrots, each of mass 7.5 kilograms to 1 decimal place.

Can she definitely use her van safely in one journey?

You **must** show your working.

[4 marks]

AQA GSCE – Tuesday 11 June 2019 – Paper 3 (Calculator) Higher Tier

13.

6 To the nearest pound, Jon has £9

To the nearest 50p, Ellie has £6.50

Work out the maximum possible total amount of money.

[3 marks]

Answer £_____

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

14.

19 The length of a roll of ribbon is 30 metres, correct to the nearest half-metre.
A piece of length 5.8 metres, correct to the nearest 10 centimetres, is cut from the roll.

Work out the maximum possible length of ribbon left on the roll.

[3 marks]

Answer _____ metres

AQA GSCE – Monday 24 May 2018 – Paper 1 (Non - Calculator) Higher Tier

15.

4 Circle the number that is closest in value to $\frac{9.8}{0.0195}$

[1 mark]

5 50 500 5000

AQA GSCE – Monday 24 May 2018 – Paper 1 (Non - Calculator) Higher Tier

16.

12 Put these numbers in order from smallest to largest.

8×10^{-4} 4×10^{-2} 6×10^{-4} 0.07

[2 marks]

Smallest _____

_____

_____

Largest _____

AQA GSCE – Tuesday 12 June 2018 – Paper 3 (Calculator) Higher Tier

17.

3 Circle the largest number.

[1 mark]

$3.2\dot{7}$ 3.27 3.277 $3.20\dot{7}$

AQA GSCE – Thursday 2 November 2017 – Paper 1 (Non - Calculator) Higher Tier

18.

8 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 GSCE – Sample Paper 3 (Calculator) Higher Tier

19.

3 Circle the decimal that is closest in value to $\frac{2}{3}$

[1 mark]

0.6 0.66 0.667 0.67