1. Nov/2021/Paper_11/No.1

(a) Work out $\frac{7}{8}-\frac{1}{4}$.

..... [1]

(b) Work out 0.08×0.2.

..... [1]

2. Nov/2021/Paper_11/No.2

Write these numbers in order of size, starting with the smallest.

$\frac{3}{4}$ 0.83 $\frac{17}{20}$ 82% 0.8

..... , ... , ... , ... , ... [2]

smallest

3. Nov/2021/Paper_11/No.14

(a) Express 60 as the product of its prime factors.

..... [2]

(b) A school buys packs of pens and packs of rulers.
There are 60 pens in each pack of pens.
There are 42 rulers in each pack of rulers.

The school wants to buy exactly the same number of pens and rulers.

Work out the smallest number of each pack the school should buy.

..... packs of pens

..... packs of rulers [3]

4. Nov/2021/Paper_12/No.1

(a) Evaluate $\sqrt{4900}$.

..... [1]

(b) Evaluate 5^3.

..... [1]

5. Nov/2021/Paper_12/No.9

(a) Write 216 as a product of its prime factors.

..... [2]

(b) Two positive integers are each greater than 25.
Their lowest common multiple (LCM) is 216.
Their highest common factor (HCF) is 18.

Find the two integers.

..... and ..... [2]

6. June/2021/Paper_11/No.1

Work out.

(a) $74.6 \times 10 - 3.89 \times 100$

..... [1]

(b) $5 + 3 \times 2 - 1$

..... [1]

7. June/2021/Paper_11/No.6

(a) Write 308 as a product of its prime factors.

..... [2]

(b) Find the highest common factor (HCF) of 308 and 66.

..... [1]

8. June/2021/Paper_12/No.1

(a) Write 0.45 as a fraction in its lowest terms.

..... [1]

(b) Write these fractions in order of size, starting with the smallest.

$\frac{4}{5}$ $\frac{7}{10}$ $\frac{17}{20}$

..... , ... , ... [1]

smallest

9. June/2021/Paper_12/No.4

(a) Write 64 785 491 correct to the nearest million.

..... [1]

(b) By writing each number correct to 1 significant figure, estimate the value of

$$\frac{67.8+49.5}{0.187^2}.$$

..... [2]

10. June/2021/Paper_12/No.10

(a) Write 270 as the product of its prime factors.

..... [2]

(b) Find the highest common factor (HCF) of 270 and 225.

..... [2]