

**Answer all questions.****1 Find the answer.**

a) Round off to the nearest 1 decimal place. (2)

i)  $26.78 = \dots\dots\dots$

ii)  $59.994 = \dots\dots\dots$

b) Write the following numbers as powers of 10. (2)

i)  $1000000 = \dots\dots\dots$

ii)  $0.001 = \dots\dots\dots$

c) Write the following numbers as a fraction in simplest form. (2)

i)  $1.6 = \dots\dots\dots$

ii)  $0.125 = \dots\dots\dots$

d) Multiply. (2)

i)  $0.3 \times 0.2 = \dots\dots\dots$

ii)  $0.1 \times 28 = \dots\dots\dots$

e) Divide. (2)

i)  $68 \div 4 = \dots\dots\dots$

ii)  $2 \div 10^{-1} = \dots\dots\dots$

Total for question 1 = 10 marks

2 Find the answer.

a) Compare the following fractions using “<” or “>” signs. (3)

i)  $\frac{1}{4} \square \frac{1}{7}$

ii)  $\frac{2}{3} \square \frac{4}{5}$

iii)  $2\frac{1}{3} \square 2\frac{5}{7}$

b) Put the following numbers in order from smallest to largest. (3)

i)  $0.25, \frac{3}{4}, 0.5, \frac{2}{5}, \frac{1}{3} = \dots\dots\dots$

c) Write the final answer in the simplest form. (4)

i)  $2\frac{1}{3} + 3\frac{1}{2} = \dots\dots\dots$

ii)  $4\frac{3}{5} - 2\frac{1}{2} = \dots\dots\dots$

iii)  $\frac{3}{4} \times \frac{8}{9} \times \frac{3}{4} = \dots\dots\dots$

iv)  $5 \div \frac{5}{7} = \dots\dots\dots$

**3** Find the answer.

**Total for question 2 = 10 marks**

a) Write the following percentages as fractions in simplest form. (2)

i)  $245\% = \dots\dots\dots$

ii)  $35\frac{1}{2}\% = \dots\dots\dots$

b) Write the following decimal numbers as percentages. (2)

i)  $0.768 = \dots\dots\dots$

ii)  $2.759 = \dots\dots\dots$

c) Increase 72 by 125%. (2)

d) Decrease 36 by 15%. (2)

**Total for question 3 = 08 marks**

4 Find the answers.

a) Simplify the following ratios.

(6)

i)  $24:18:27 = \dots\dots\dots$

ii)  $0.36:1.2 = \dots\dots\dots$

iii)  $\frac{2}{3}:0.4 = \dots\dots\dots$

**Total for question 4 = 06 marks**

5 Find the answer.

(6)

a) Simplify these.

i)  $2x - 3y + 5x + 7y = \dots\dots\dots$

ii)  $2 \times 4a \times 3m = \dots\dots\dots$

iii)  $\frac{4n^2}{2n} = \dots\dots\dots$

**Total for question 5 = 06 marks**

**Total= 40 marks**

**\*\*\*\*END\*\*\*\***