Answer all questions.

1 Find the answer.

a) Multiply and write the answer to nearest **2 d.p.**   **(4)**

i) 38.5 × 9.87   = ……………………….   ii) -54.9 × 0.76 = ………………………..

b) Write the following numbers as powers of 4.   **(2)**

i) 64 = …………………….   ii) 0.25 = …………………………..

Total for question 1 = 6 marks

2 Find the answer.   **(4)**

a) Simplify.

i) $12x^2 \div 0.4x$ = …………………….   ii) $\frac{39xy^2}{13y}$ = ……………………………

iii) $- 24 + - 35 \times 2$ = ………………………   iii) $\frac{-2 \times 4 \div 4}{3-4}$ = ……………………………

b) Write as a decimal number to **nearest 1 d.p.**   **(2)**

i) $\frac{2}{5} \times \frac{3}{8}$ = ……………………   ii) $2\frac{3}{4} \div \frac{4}{5}$ =………………………….

c)Divide and round off the final answer to **nearest whole number.**   **(2)**

i) 6898 ÷ 34 = ……………………   ii) $257.45 \div 56 =$ ……………………………

3 Find the answer.

a) Write the final answer as a fraction in simplest fraction. **(3)**

i) $3\frac{4}{5} + 8\frac{7}{9}$ = ...   ii) $7\frac{2}{3} + 1\frac{4}{5} - 2$ =..........   iii) $2\frac{1}{3} \times 2\frac{5}{7}$ = ...

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

i) $\sqrt{22}, \frac{2}{3}, \sqrt[3]{39}, 234\%, 3.5$ = ...

c) Find the answer. **(4)**

i) $24.5\% \; of \; 56$ = ...

ii) $13\frac{2}{3}\% \; of \; 36$ = ...

iii) $32\% \; of \; a \; number \; is \; 4. Find \; the \; number.$

iv) $Maxwell \; scored \; 248 \; runs \; and \; it \; is \; an \; increase \; of \; 24\% \; compared \; to \; the$
          $last \; match.$
          $Find \; his \; score \; in \; the \; last \; match.$

4 Find the answer.

a) Write the following decimal numbers as fractions in simplest form. **(2)**

i) 2.56 = …………………………..   ii) 0.625 = …………………………………………

b) Find the answer and round off to **nearest 1 d.p.** **(2)**

i) $\sqrt{784} \div 24\%$ = …………………………. ii) $25.759 \div \sqrt{5}$ = ……………………………………

c) £ 256 is divided between Raj and Sam in the ratio 2: 3.
How much money Sam get? **(2)**

d) The price of a TV is £ 486 and a discount of 5% given.
Find the price after the discount. **(2)**

5 Find the answers.

a) Simplify and write the answers as **nearest whole number.** (8)

i) $\dfrac{24 \times 38}{\sqrt{57}}$ = ……………………………

ii) $\sqrt[3]{358} \times \sqrt{65}$ = …………………………….

iii) $\dfrac{3^2 \times 4^3}{5^3}$ = ……………………………………

iv) $\dfrac{3}{\sqrt{34}} \times \sqrt[3]{45} \times \dfrac{8}{9}$ = ……………………………….

Total for question 5 = 08 marks
Total= 40 marks

****END****