



GCSE MATHS DECIMAL NUMBER

EXPERT GUIDANCE BY MAHIMA LAROYIA

PLACE VALUE

Integers Decimals

Hundreds Thousands ($\frac{1}{1000}$)

Tens Ones Tenths ($\frac{1}{10}$) Hundredths ($\frac{1}{100}$)

467.321

DECIMAL POINT

Four Hundred and Sixty Seven and three hundred and twenty One Thousandths

$3.50 = 3 \frac{50}{100}$
Three and fifty hundredths

$3.215 = 3 \frac{215}{1000}$
Three and two hundred and fifteen thousandths

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ADDITION

$$\begin{array}{r} 45.10 \\ + 04.34 \\ \hline 49.44 \end{array}$$

SUBTRACTION

Subtract the following

a) $47.231 - 25.1 \rightarrow \begin{array}{r} 47.231 \\ - 25.100 \\ \hline 22.131 \end{array}$

b) $289.221 - 0.909 \rightarrow \begin{array}{r} 289.221 \\ - 0.909 \\ \hline 288.312 \end{array}$

c) $2 - 1.25$

DIVISION

a) $5.255 \div 5$

$$\begin{array}{r} 1.051 \\ 5 \overline{) 5.255} \\ \underline{-5} \\ 2 \\ \underline{ 2} \\ 5 \\ \underline{ 5} \\ 0 \end{array}$$

250

$$\begin{array}{r} 5 \overline{) 6250} \\ \underline{-50} \\ 125 \\ \underline{-125} \\ 0 \end{array}$$

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MULTIPLICATION

4.25×3.1

$$\begin{array}{r} 4.25 \text{ (2dp)} \\ \times 3.1 \text{ (1dp)} \\ \hline 425 \\ 12750 \\ \hline 13.175 \text{ (3dp)} \end{array}$$