

FRACTIONS → DECIMALS

Every fraction can be written as a decimal. To write a fraction as a decimal, divide the numerator (top) of the fraction by the denominator (bottom) of the fraction. The answer may be rounded to the nearest tenth or hundredth.

Ex. 1 Convert $\frac{1}{2}$ to a decimal

$$\begin{array}{r} .5 \\ 2 \overline{)1.0} \\ \underline{-1.0} \\ 0 \end{array}$$
$$\frac{1}{2} = .5$$

Ex. 2 Convert $\frac{3}{4}$ to a decimal

$$\begin{array}{r} .75 \\ 4 \overline{)3.00} \\ \underline{-2.8} \\ 20 \\ \underline{-20} \\ 0 \end{array}$$
$$\frac{3}{4} = .75$$

Ex. 3 Convert $\frac{3}{8}$ to a decimal

$$\begin{array}{r} .375 \\ 8 \overline{)3.000} \\ \underline{-2.4} \\ 60 \\ \underline{-56} \\ 40 \\ \underline{-40} \\ 0 \end{array}$$
$$\frac{3}{8} = .375$$

Ex. 4 Convert $2\frac{1}{4}$ to a decimal

$$\begin{array}{r} .25 \\ 4 \overline{)1.00} \\ \underline{-.8} \\ 20 \\ \underline{-20} \\ 0 \end{array}$$
$$2\frac{1}{4} = 2.25$$

PRACTICE: WRITE THE FRACTIONS AS DECIMALS

1. $\frac{4}{5}$

2. $\frac{4}{10}$

3. $\frac{12}{25}$

4. $10\frac{3}{5}$

5. $6\frac{5}{8}$

SHOW ALL YOUR WORK TO THE PROBLEMS ABOVE ON THE BACK