

How Do I Convert Fractions to Decimals?

FRACTIONS → Decimals

_____ the _____ by the _____ !

Remember: "top in the box".



Examples

Change $\frac{1}{4}$ to a decimal.

$$\begin{array}{r} 0.25 \\ 4 \overline{) 1.00} \\ \underline{- 8} \\ 20 \\ \underline{- 20} \\ 0 \end{array}$$

$\frac{1}{4} = 0.25$

Change $\frac{2}{3}$ to a decimal.

$$\begin{array}{r} 0.66\dots \\ 3 \overline{) 2.00} \\ \underline{- 18} \\ 20 \\ \underline{- 18} \\ 2 \end{array}$$

$\frac{2}{3} = 0.66\dots$

repeating decimal

Change $\frac{4}{5}$ to a decimal.

$$\begin{array}{r} 0.8 \\ 5 \overline{) 4.0} \\ \underline{- 40} \\ 0 \end{array}$$

$\frac{4}{5} = 0.8$

Change $\frac{1}{8}$ to a decimal.

$$\begin{array}{r} 0.125 \\ 8 \overline{) 1.000} \\ \underline{- 8} \\ 20 \\ \underline{- 16} \\ 40 \\ \underline{- 40} \\ 0 \end{array}$$

$\frac{1}{8} = .125$

Try these,
Smarty-Pants!

1) $\frac{2}{5} =$ _____

2) $\frac{2}{8} =$ _____

3) $\frac{13}{20} =$ _____

4) $1\frac{1}{2} =$ _____

5) $\frac{5}{7} =$ _____

6) $\frac{5}{6} =$ _____

7) $\frac{1}{9} =$ _____