

Conversiones de fracciones a decimales

Ejemplos:

$$1) 5 \frac{2}{8} = 5.25$$

$$2) 16 \frac{1}{4} = 16.25$$

$$3) 178 \frac{2}{3} = 178.67$$

Se simplifica solo la fracción y el entero se queda igual.

$$1) \frac{40}{22} = 1.82$$

$$2) \frac{5}{16} = 0.31$$

$$3) \frac{15}{18} = 0.83$$

$$4) 5 \frac{4}{16} = 5.25$$

$$5) 3 \frac{12}{32} = 3.375$$

$$6) 6 \frac{3}{18} = 6.17$$

$$7) 10 \frac{5}{25} = 10.20$$

$$8) 13 \frac{44}{99} = 13.44$$

$$9) 136 \frac{39}{74} = 136.53$$

$$10) 136 \frac{39}{74} = 136.53$$

$$10) 57 \frac{9}{54} = 57.17$$

$$11) 47 \frac{56}{72} = 47.78$$

$$12) 158 \frac{66}{88} = 158.75$$

$$458.7603 = \frac{458.7603}{10000} = 458 \frac{76.03}{10000}$$

b) Convierta los siguientes decimales a fracciones.

$$1) 16.89 = \frac{1689}{100}$$

$$168 \frac{9}{10} //$$

$$\begin{array}{r} 168 \\ 10 \overline{) 1689} \\ \underline{160} \\ 89 \end{array}$$

$$\begin{array}{r} -68 \\ 60 \end{array}$$

$$\begin{array}{r} -89 \\ 80 \\ -9 \end{array}$$

$$2) 72.4 = \frac{724}{10} = \frac{362}{5} = 0.312 \frac{2}{5}$$

$$\begin{array}{r} 0312 \\ 5 \overline{) 362} \\ \underline{30} \\ -62 \end{array}$$

$$3) 22.34 = \frac{2234}{100} = \frac{1117}{50} = 0.22 \frac{17}{50}$$

$$\begin{array}{r} 0.22 \\ 50 \overline{) 1117} \\ \underline{100} \\ 117 \end{array}$$

$$4) 14.32 = \frac{1432}{100} = \frac{716}{50} = \frac{358}{25} = 14 \frac{8}{25}$$

$$\begin{array}{r} 14 \\ 25 \overline{) 358} \\ \underline{25} \\ 108 \\ \underline{100} \\ -8 \end{array}$$

$$5) 8.72 = \frac{872}{100} = \frac{436}{50} = \frac{218}{25} = 0.8 \frac{18}{25}$$

$$\begin{array}{r} 0.8 \\ 25 \overline{) 218} \\ \underline{200} \\ -18 \end{array}$$

$$6) 9.22 = \frac{922}{100} = \frac{461}{50} = 0.861$$

$$50 \overline{) 461.} \\ \underline{400} \\ 61$$

$$7) 12.33 = \frac{1233}{100} = 12.33$$

$$100 \overline{) 1233} \\ \underline{100} \\ -233 \\ \underline{200} \\ -33$$

$$8) 25.125 = \frac{25125}{1000} = \frac{5025}{200} = \frac{1005}{40} = \frac{201}{8} = 0.25 \frac{1}{8}$$

$$0.25 \\ 8 \overline{) 201} \\ \underline{16} \\ -41 \\ \underline{40} \\ -1$$

$$9) 123.125 = \frac{123125}{1000} = \frac{24625}{200} = \frac{4925}{40}$$

$$\frac{985}{8} = 123 \frac{1}{8}$$

$$123 \\ 8 \overline{) 985} \\ \underline{8} \\ 18 \\ \underline{16} \\ -25 \\ \underline{24} \\ -1$$

$$10) 34.025 = \frac{34,025}{1000} = \frac{6805}{2000} = \frac{1361}{400} = 0.34 \frac{1}{40}$$

$$\begin{array}{r} 0.34 \\ 40 \overline{) 1361} \\ \underline{120} \\ -161 \\ \underline{160} \\ -1 \end{array}$$

$$11) 0.35 = \frac{35}{100} = \frac{7}{20} \parallel \text{fracción propia}$$

$$12) 0.134 = \frac{134}{1000} = \frac{67}{500} \text{ fracción propia}$$