

Name: _____

CONVERT FRACTIONS, DECIMALS, AND PERCENTAGES



Convert the following into fractions in their **simplest form**:

$$\begin{array}{llllll} 50\% = \frac{1}{2} & 20\% = \frac{1}{5} & 90\% = \frac{9}{10} & 45\% = \frac{9}{20} & 15\% = \frac{3}{20} & 5\% = \frac{1}{20} \\ 0.7 = \frac{7}{10} & 0.5 = \frac{1}{2} & 0.05 = \frac{1}{20} & 0.3 = \frac{3}{10} & 0.65 = \frac{13}{20} & 0.4 = \frac{2}{5} \\ 85\% = \frac{17}{20} & 0.1 = \frac{1}{10} & 0.6 = \frac{3}{5} & 8\% = \frac{2}{25} & 0.03 = \frac{3}{100} & 4\% = \frac{1}{25} \end{array}$$

Convert the following fractions to their equivalent decimals **and** percentages:

$$\begin{array}{llllll} \frac{1}{2} = 50\% & \frac{4}{5} = 80\% & \frac{1}{3} = 33.\dot{3}\% & \frac{1}{4} = 25\% & \frac{3}{4} = 75\% \\ 0.5 & 0.8 & 0.\dot{3} & 0.25 & 0.75 \\ \frac{2}{3} = 66.\dot{6}\% & \frac{1}{6} = 16.\dot{6}\% & \frac{1}{8} = 12.5\% & \frac{3}{8} = 37.5\% & \frac{2}{5} = 40\% \\ 0.\dot{6} & 0.\dot{1}\dot{6} & 0.125 & 0.375 & 0.4 \end{array}$$

Decide whether each statement below is True or False.

Circle your answer. If it's false, explain why!

1) $\frac{1}{2}$ is equivalent to 0.05. True / **False**
 $\frac{1}{2} = 0.5$

5) $\frac{3}{5}$ is larger than 50%. **True** / False

2) $\frac{1}{4}$ is smaller than 0.4. **True** / False

6) $\frac{5}{8}$ equals 62.5%. **True** / False

3) $\frac{2}{5}$ equals 40%. **True** / False

7) $\frac{1}{5}$ is equivalent to 20%. **True** / False

4) $\frac{1}{4}$ is larger than 0.2. **True** / False

8) $\frac{1}{3}$ is equivalent to 0.3. True / **False**
 $\frac{1}{3} = 0.\dot{3} = 0.333333\dots$