

Convert each fraction to a decimal and a percent.

Name: _____

decimal	percent	decimal	percent	decimal	percent
$\frac{1}{2} =$	=	$\frac{1}{8} =$	=	$\frac{1}{10} =$	=
$\frac{1}{3} =$	=	$\frac{2}{8} =$	=	$\frac{2}{10} =$	=
$\frac{2}{3} =$	=	$\frac{3}{8} =$	=	$\frac{3}{10} =$	=
$\frac{1}{4} =$	=	$\frac{4}{8} =$	=	$\frac{4}{10} =$	=
$\frac{2}{4} =$	=	$\frac{5}{8} =$	=	$\frac{5}{10} =$	=
$\frac{3}{4} =$	=	$\frac{6}{8} =$	=	$\frac{6}{10} =$	=
$\frac{1}{5} =$	=	$\frac{7}{8} =$	=	$\frac{7}{10} =$	=
$\frac{2}{5} =$	=	$\frac{1}{9} =$	=	$\frac{8}{10} =$	=
$\frac{3}{5} =$	=	$\frac{2}{9} =$	=	$\frac{9}{10} =$	=
$\frac{4}{5} =$	=	$\frac{3}{9} =$	=	$\frac{10}{10} =$	=
$\frac{1}{6} =$	=	$\frac{4}{9} =$	=		
$\frac{2}{6} =$	=	$\frac{5}{9} =$	=		
$\frac{3}{6} =$	=	$\frac{6}{9} =$	=		
$\frac{4}{6} =$	=	$\frac{7}{9} =$	=		
$\frac{5}{6} =$	=	$\frac{8}{9} =$	=		

Show all work in composition notebook for long division.

* Fraction → Decimal (long division)

$$\begin{array}{r} \frac{1}{2} \quad \frac{0.5}{2 \overline{) 1.0} \\ \underline{-10} \\ 0 \end{array} \quad \frac{7}{9} \quad \begin{array}{r} 0.777 \\ 9 \overline{) 7.000} \\ \underline{-63} \\ 70 \\ \underline{-63} \\ 70 \\ \underline{-63} \\ 0 \end{array}$$

$$\frac{3}{5} \quad \frac{0.6}{5 \overline{) 3.0} \\ \underline{-30} \\ 0} \quad \boxed{0.\overline{7}}$$

Show repeating decimals pattern three times before assuming.

* Decimal → Percent (move decimal point to the right two places) (include % symbol)

$$\frac{1}{2} = 0.5 = 50\% \quad \frac{7}{9} = 0.\overline{7} = \boxed{77.\overline{7}\%}$$

$$\frac{3}{5} = 0.6 = 60\%$$