

Fractions to Decimals

$$\frac{1}{5} = 0.2$$

$$\begin{array}{r} 0.2 \\ 5 \overline{) 1.0} \\ \underline{-10} \\ 0 \end{array}$$

Short cut for denoms

that are compatible with 10, 100 or 1000

$$\frac{7}{9} = 0.\overline{7}$$

$$\begin{array}{r} 0.\overline{7} \\ 9 \overline{) 7.0} \\ \underline{-63} \\ 7 \end{array}$$

$$\frac{3}{11} = 0.\overline{27}$$

$$\begin{array}{r} 0.\overline{27} \\ 11 \overline{) 3.0000} \\ \underline{-22} \\ 80 \\ \underline{-77} \\ 30 \\ \underline{-22} \\ 80 \\ \underline{-77} \\ 3 \end{array}$$

$$\frac{1 \times 2}{5 \times 2} = \frac{2}{10} = 0.2$$

$$\frac{4 \times 4}{25 \times 4} = \frac{16}{100} = 0.16$$

$$\frac{31 \times 2}{50 \times 2} = \frac{62}{100} = 0.62$$

$$\frac{4}{15} = 0.2\overline{6}$$

$$\begin{array}{r} 0.2\overline{6} \\ 15 \overline{) 4.000} \\ \underline{-30} \\ 100 \\ \underline{-90} \\ 100 \\ \underline{-90} \\ 10 \end{array}$$