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Homebase Henson

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### Converting Fractions to Decimals

Fraction - Part of a Whole  $\frac{a \text{ (part)}}{b \text{ (whole)}}$   $\frac{\text{(part)}}{b \text{ (whole)}}$


Review

  $\frac{1}{4}$  shaded

Numerator - The number above the fraction bar. (part)

  $\frac{2}{3}$  shaded

Denominator - The number below the fraction bar (whole)

  $\frac{1}{2}$  shaded

Write  $\frac{7}{20}$  as a decimal:

1. Put the numerator inside the division bracket.  $\overline{)7}$

2. Put the denominator outside the division bracket.  $20 \overline{)7}$

3. Put a decimal point at the right of the numerator.  $20 \overline{)7.}$

4. Divide as you would normally. (Put decimal point directly above)

$$\begin{array}{r}
 .35 \\
 20 \overline{)7.00} \\
 \underline{-60} \downarrow \\
 100 \\
 \underline{-100} \\
 0
 \end{array}
 \quad
 \frac{7}{20} = 0.35$$

**OR** (Note: Sometimes this is not applicable)

$$\frac{7}{20} \times \frac{5}{5} = \frac{35}{100} = .35$$

$\uparrow$   
 $100 \div 20 = 5$

$\swarrow$  2 zeros  
 $\searrow$  2 spaces