

**Objective:** Find and memorize decimals for fractions we use often.

Name: \_\_\_\_\_

Every fraction indicates division. For example,  $\frac{15}{3} = 5$  means the same thing as  $3 \overline{)15}^5$ . Note that the **dividend**, 15, is the top number of the fraction and goes \_\_\_\_\_ the  $\overline{)}$  sign; the **divisor**, 3, is the bottom number of the fraction and goes on the \_\_\_\_\_ of the  $\overline{)}$  sign; and the **quotient**, 5, is the value of the fraction written in decimal notation and goes \_\_\_\_\_ the  $\overline{)}$  sign.

We can use division to find decimals for fractions with denominators 2 through 10.

$$\frac{1}{5} = \underline{\hspace{2cm}} \quad 5 \overline{)1.0}^{\cdot}$$

$$\frac{1}{4} = \underline{\hspace{2cm}} \quad 4 \overline{)1.00}^{\cdot}$$

$$\frac{1}{3} = \underline{\hspace{2cm}} \quad 3 \overline{)1.000}^{\cdot}$$

$$\frac{2}{5} = \underline{\hspace{2cm}} \quad 5 \overline{)2.0}^{\cdot}$$

$$\frac{1}{2} = \underline{\hspace{2cm}} \quad 2 \overline{)1.0}^{\cdot}$$

$$\frac{2}{4} = \underline{\hspace{2cm}} = \underline{\hspace{2cm}}$$

$$\frac{2}{3} = \underline{\hspace{2cm}} \quad 3 \overline{)2.000}^{\cdot}$$

$$\frac{3}{5} = \underline{\hspace{2cm}} \quad 5 \overline{)3.0}^{\cdot}$$

$$\frac{3}{4} = \underline{\hspace{2cm}} \quad 4 \overline{)3.00}^{\cdot}$$

$$\frac{4}{5} = \underline{\hspace{2cm}} \quad 5 \overline{)4.0}^{\cdot}$$

$$\frac{1}{8} = \underline{\hspace{2cm}} \quad 8 \overline{) \overset{\cdot}{1}.000}$$

$$\frac{1}{9} = \underline{\hspace{2cm}} \quad 9 \overline{) \overset{\cdot}{1}.000}$$

$$\frac{1}{10} = \underline{\hspace{2cm}}$$

$$\frac{1}{6} = \underline{\hspace{2cm}} \quad 6 \overline{) \overset{\cdot}{1}.000}$$

$$\frac{2}{8} = \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$$

$$\frac{2}{9} = \underline{\hspace{2cm}} \quad 9 \overline{) \overset{\cdot}{2}.000}$$

$$\frac{2}{10} = \underline{\hspace{2cm}}$$

$$\frac{2}{6} = \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$$

$$\frac{3}{9} = \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$$

$$\frac{3}{10} = \underline{\hspace{2cm}}$$

$$\frac{3}{8} = \underline{\hspace{2cm}} \quad 8 \overline{) \overset{\cdot}{3}.000}$$

$$\frac{4}{9} = \underline{\hspace{2cm}} \quad 9 \overline{) \overset{\cdot}{4}.000}$$

$$\frac{4}{10} = \underline{\hspace{2cm}}$$

$$\frac{3}{6} = \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$$

$$\frac{4}{8} = \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$$

$$\frac{5}{10} = \underline{\hspace{2cm}}$$

$$\frac{5}{8} = \underline{\hspace{2cm}} \quad 8 \overline{) \overset{\cdot}{5}.000}$$

$$\frac{5}{9} = \underline{\hspace{2cm}} \quad 9 \overline{) \overset{\cdot}{5}.000}$$

$$\frac{6}{10} = \underline{\hspace{2cm}}$$

$$\frac{4}{6} = \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$$

$$\frac{6}{9} = \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$$

$$\frac{7}{10} = \underline{\hspace{2cm}}$$

$$\frac{5}{6} = \underline{\hspace{2cm}} \quad 6 \overline{) \overset{\cdot}{5}.000}$$

$$\frac{6}{8} = \underline{\hspace{1cm}} = \underline{\hspace{2cm}}$$

$$\frac{7}{9} = \underline{\hspace{2cm}} \quad 9 \overline{) \overset{\cdot}{7}.000}$$

$$\frac{8}{10} = \underline{\hspace{2cm}}$$

$$\frac{7}{8} = \underline{\hspace{2cm}} \quad 8 \overline{) \overset{\cdot}{7}.000}$$

$$\frac{8}{9} = \underline{\hspace{2cm}} \quad 9 \overline{) \overset{\cdot}{8}.000}$$

$$\frac{9}{10} = \underline{\hspace{2cm}}$$