

Name: _____

Division with Decimals

When dividing a number by a divisor with a decimal, follow these steps:

$$5.3 \overline{) 2.332}$$

$$7.63 \overline{) 206.01}$$

$$1.38 \overline{) 2346}$$

1. Make the divisor a whole number by moving the decimal point to the right until there are no decimal places left.

$$53 \overline{) 23.32}$$

$$763 \overline{) 206.01}$$

$$138 \overline{) 234600}$$

2. In the dividend, move the decimal point to the right the same number of places that you moved the decimal point in the divisor.

$$53 \overline{) 23.32}$$

$$763 \overline{) 206.01}$$

$$138 \overline{) 234600.}$$

3. Divide normally placing the decimal point in the quotient directly above the new placement of the decimal point in the dividend.

$$53 \overline{) 23.32} \quad \begin{array}{r} 0.44 \\ \hline \end{array}$$

$$763 \overline{) 206.01} \quad \begin{array}{r} 27. \\ \hline \end{array}$$

$$138 \overline{) 234600.} \quad \begin{array}{r} 1,700. \\ \hline \end{array}$$

Find the quotients.

a. $0.324 \overline{) 356.4}$

b. $5.83 \overline{) 22.737}$

c. $1.53 \overline{) 50.49}$

d. $0.27 \overline{) 16.605}$

Name: _____

Division with Decimals

Find the quotients.

e. $4.43 \overline{) 13.888}$

f. $21.2 \overline{) 636}$

g. $12.9 \overline{) 154.8}$

h. $0.736 \overline{) 5.0048}$

i. $7.65 \overline{) 3,060}$

j. $16.8 \overline{) 5.376}$

★ $1.482 \overline{) 3.1122}$

★ $42.69 \overline{) 7,684.2}$

ANSWER KEY

Division with Decimals

When dividing a number by a divisor with a decimal, follow these steps:

$$5.3 \overline{) 2.332}$$

$$7.63 \overline{) 206.01}$$

$$1.38 \overline{) 2346}$$

1. Make the divisor a whole number by moving the decimal point to the right until there are no decimal places left.

$$53 \overline{) 2332}$$

$$763 \overline{) 20601}$$

$$138 \overline{) 234600}$$

2. In the dividend, move the decimal point to the right the same number of places that you moved the decimal point in the divisor.

$$53 \overline{) 23.32}$$

$$763 \overline{) 206.01}$$

$$138 \overline{) 234600.}$$

3. Divide normally placing the decimal point in the quotient directly above the new placement of the decimal point in the dividend.

$$53 \overline{) 23.32} \quad \begin{array}{r} 0.44 \\ \hline \end{array}$$

$$763 \overline{) 206.01} \quad \begin{array}{r} 27. \\ \hline \end{array}$$

$$138 \overline{) 234600.} \quad \begin{array}{r} 1,700. \\ \hline \end{array}$$

Find the quotients.

a. $0.324 \overline{) 356.4}$ **1100**

b. $5.83 \overline{) 22.737}$ **3.9**

c. $1.53 \overline{) 50.49}$ **33**

d. $0.27 \overline{) 16.605}$ **61.5**

ANSWER KEY

Division with Decimals

Find the quotients.

e. $4.43 \overline{) 13.888}$ **3.1**

f. $21.2 \overline{) 636}$ **30**

g. $12.9 \overline{) 154.8}$ **12**

h. $0.736 \overline{) 5.0048}$ **6.8**

i. $7.65 \overline{) 3,060}$ **400**

j. $16.8 \overline{) 5.376}$ **0.32**

★ $1.482 \overline{) 3.1122}$ **2.1**

★ $42.69 \overline{) 7,684.2}$ **180**