

Name: _____

Division with Decimals

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

$$6.2 \overline{)1.86}$$

$$0.34 \overline{)1.082}$$

$$0.47 \overline{)141}$$

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

$$62 \overline{)1.86}$$

$$34 \overline{)1.082}$$

$$47 \overline{)141}$$

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.

$$62 \overline{)18.6}$$

$$34 \overline{)10.82}$$

$$47 \overline{)14100}$$

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

$$62 \overline{)18.6} \begin{array}{r} 0.3 \\ \hline \end{array}$$

$$34 \overline{)10.82} \begin{array}{r} 5.3 \\ \hline \end{array}$$

$$47 \overline{)14100} \begin{array}{r} 300. \\ \hline \end{array}$$

Find the quotients.

a. $3.3 \overline{)2.64}$

b. $0.27 \overline{)0.324}$

c. $0.16 \overline{)32}$

d. $9.4 \overline{)16.92}$

Name: _____

Division with Decimals

Find the quotients.

e. $0.42 \overline{)0.504}$

f. $7.1 \overline{)14.2}$

g. $0.6 \overline{)3.12}$

h. $0.28 \overline{)0.084}$

i. $0.03 \overline{)18}$

j. $0.54 \overline{)0.378}$

★ $1.02 \overline{)1.224}$

$3.45 \overline{)0.4485}$

ANSWER KEY

Division with Decimals

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$$62 \overline{)18.6} \begin{array}{r} 0.3 \\ \hline \end{array}$$

$$34 \overline{)10.82} \begin{array}{r} 5.3 \\ \hline \end{array}$$

$$47 \overline{)14100.} \begin{array}{r} 300. \\ \hline \end{array}$$

Find the quotients.

a. $3.3 \overline{)2.64} \begin{array}{r} 0.8 \\ \hline \end{array}$

b. $0.27 \overline{)0.324} \begin{array}{r} 1.2 \\ \hline \end{array}$

c. $0.16 \overline{)32} \begin{array}{r} 200 \\ \hline \end{array}$

d. $9.4 \overline{)16.92} \begin{array}{r} 1.8 \\ \hline \end{array}$

ANSWER KEY

Division with Decimals

Find the quotients.

e. $0.42 \overline{) 0.504}$ **1.2**

f. $7.1 \overline{) 14.2}$ **2**

g. $0.6 \overline{) 3.12}$ **5.2**

h. $0.28 \overline{) 0.084}$ **0.3**

i. $0.03 \overline{) 18}$ **600**

j. $0.54 \overline{) 0.378}$ **0.7**

★ $1.02 \overline{) 1.224}$ **1.2**

$3.45 \overline{) 0.4485}$ **0.13**