

Division with Decimals

Find the quotients.

a.
$$\begin{array}{r} 1.3 \\ 0.5 \overline{)0.65} \\ \underline{-0.5} \\ 15 \\ \underline{-15} \\ 0 \end{array}$$

b.
$$\begin{array}{r} 3.2 \\ 0.06 \overline{)0.192} \\ \underline{-18} \\ 12 \\ \underline{-12} \\ 0 \end{array}$$

c.
$$\begin{array}{r} 18.8 \\ 3 \overline{)56.4} \\ \underline{-3} \\ 26 \\ \underline{-24} \\ 24 \\ \underline{-24} \\ 0 \end{array}$$

d.
$$\begin{array}{r} 22.5 \\ 0.9 \overline{)20.25} \\ \underline{-18} \\ 22 \\ \underline{-18} \\ 45 \\ \underline{-45} \\ 0 \end{array}$$

e.
$$\begin{array}{r} 33 \\ 0.04 \overline{)1.32} \\ \underline{-12} \\ 12 \\ \underline{-12} \\ 0 \end{array}$$

f.
$$\begin{array}{r} 15.6 \\ 0.2 \overline{)3.12} \\ \underline{-2} \\ 11 \\ \underline{-10} \\ 12 \\ \underline{-12} \\ 0 \end{array}$$

g.
$$\begin{array}{r} 14.4 \\ 1.1 \overline{)15.84} \\ \underline{-11} \\ 48 \\ \underline{-44} \\ 44 \\ \underline{-44} \\ 0 \end{array}$$

h.
$$\begin{array}{r} 2.1 \\ 0.07 \overline{)0.147} \\ \underline{-14} \\ 07 \\ \underline{-7} \\ 0 \end{array}$$

Name: L02

dividing-by-decimals

Decimal Division

a. $8.68 \div 0.4 = 21.7$

$$\begin{array}{r} 21.7 \\ 0.4 \overline{) 8.68} \\ \underline{-8} \downarrow \\ 06 \\ \underline{-4} \downarrow \\ 28 \\ \underline{-28} \\ 0 \end{array}$$

b. $7.11 \div 0.3 = 23.7$

$$\begin{array}{r} 23.7 \\ 0.3 \overline{) 7.11} \\ \underline{-6} \downarrow \\ 11 \\ \underline{-9} \downarrow \\ 21 \\ \underline{-21} \\ 0 \end{array}$$

c. $2.76 \div 1.2 = 2.3$

$$\begin{array}{r} 2.3 \\ 1.2 \overline{) 2.76} \\ \underline{-24} \downarrow \\ 36 \\ \underline{-36} \\ 0 \end{array}$$

d. $32.50 \div 0.13 = 250$

$$\begin{array}{r} 250 \\ 0.13 \overline{) 32.50} \\ \underline{-26} \downarrow \\ 65 \\ \underline{-65} \downarrow \\ 00 \\ \underline{-0} \\ 0 \end{array}$$

e. $6.08 \div 1.6 = 3.8$

$$\begin{array}{r} 3.8 \\ 1.6 \overline{) 6.08} \\ \underline{-48} \downarrow \\ 128 \\ \underline{-128} \\ 0 \end{array}$$

f. $8.967 \div 4.2 = 2.135$

$$\begin{array}{r} 2.135 \\ 4.2 \overline{) 8.967} \\ \underline{-84} \downarrow \\ 56 \\ \underline{-42} \downarrow \\ 147 \\ \underline{-147} \\ 0 \end{array}$$

g. $5.83 \div 5.5 = 1.06$

$$\begin{array}{r} 1.06 \\ 5.5 \overline{) 5.830} \\ \underline{-55} \downarrow \\ 330 \\ \underline{-330} \\ 0 \end{array}$$

h. $109.2 \div 2.1 = 52$

$$\begin{array}{r} 52 \\ 2.1 \overline{) 109.2} \\ \underline{105} \downarrow \\ 42 \\ \underline{-42} \\ 0 \end{array}$$

i. $72.8 \div 1.3 = 56$

$$\begin{array}{r} 56 \\ 1.3 \overline{) 72.8} \\ \underline{-65} \downarrow \\ 78 \\ \underline{-78} \\ 0 \end{array}$$