

2.4

**Division:** pl66**Divisor:** the number you're dividing by**Dividend:** the number you're dividing into**Quotient:** the solution to a division problem

$$\begin{array}{r} 8 \\ 3 \overline{) 24} \end{array}$$

$$\frac{24}{3} = 8$$

$$24 \div 3 = 8$$

- when dividing w/decimals, the divisor CAN NOT have a decimal in it; the dividend may have a decimal
- move the decimal on the divisor so that it is a whole number; move the decimal on the dividend the same amount of places
- bring the decimal place straight up
- do the long division
- *check for the sign of the quotient*

Examples:

$$1) -0.24 \div 0.04 = -6 \quad \begin{array}{r} 6. \\ 0.04 \overline{) 0.24} \end{array}$$

$$2) \frac{3.066}{-0.3} = -10.22 \quad \begin{array}{r} 10.22 \\ 0.3 \overline{) 3.066} \end{array}$$

$$3) -5.44 \div (-17) = 3.2$$

$$\begin{array}{r} 3.2 \\ 17 \overline{) 5.44} \\ \underline{-51} \\ 34 \\ \underline{-34} \\ 0 \end{array}$$

$$4) 4.045 \div (-0.005) = -809$$

$$\begin{array}{r} 809. \\ 005 \overline{) 4.045} \\ \underline{-40} \\ 045 \\ \underline{-045} \\ 0 \end{array}$$

$$5) \frac{-67.2}{-0.672} = 100$$

$$\begin{array}{r} 100 \\ 0.672 \overline{) 67.200} \end{array}$$