

10/2/18 Be able to divide integers.

Three ways to write  $\overline{2)10}$

$$\frac{10}{2}$$

Must solve backwards

$$\frac{+10}{+2} = +5 \quad +2(+5) = +10$$

$$\frac{-10}{+2} = -5 \quad 2(-5) = -10$$

$$\frac{-10}{-2} = +5 \quad -2(5) = -10$$

Division Rules are the same as multiplication.

Multiplication

Division

$$\begin{aligned} \boxed{+} \cdot \boxed{+} &= + \\ \boxed{-} \cdot \boxed{-} &= + \\ \boxed{+} \cdot \boxed{-} &= - \end{aligned}$$

$$\begin{aligned} + \div + &= + \\ - \div - &= + \\ + \div - &= - \\ - \div + &= - \end{aligned}$$