

INTEGER ADDITION RULES

$$\begin{aligned} (+) + (+) &= (+) \\ 5 + 9 &= 14 \end{aligned}$$

$$\begin{aligned} (-) + (-) &= (-) \\ (-5) + (-9) &= -14 \end{aligned}$$

$$\begin{aligned} (+) + (-) &= + \\ 9 + (-5) &= 4 \end{aligned}$$

$$\begin{aligned} (+) + (-) &= - \\ 5 + (-9) &= -4 \end{aligned}$$

INTEGER SUBTRACTION RULES

$$\begin{aligned} (+) - (-) &= (+) \\ 5 - (-9) &= 14 \\ 5 + 9 &= 14 \end{aligned}$$

$$\begin{aligned} (-) - (+) &= (-) \\ (-5) - 9 &= -14 \end{aligned}$$

$$\begin{aligned} (-) - (-) &= - \\ (-9) - (-5) &= -4 \\ (-9) + 5 &= -4 \end{aligned}$$

$$\begin{aligned} (+) - (+) &= + \\ 9 - 5 &= 4 \end{aligned}$$

INTEGER MULTIPLICATION RULES

$$\begin{aligned} (-) \cdot (-) &= + \\ (-3) \cdot (-6) &= 18 \end{aligned}$$

$$\begin{aligned} + \cdot + &= + \\ 3 \cdot 6 &= 18 \end{aligned}$$

$$\begin{aligned} (-) \cdot + &= - \\ (-3) \cdot 6 &= -18 \end{aligned}$$

$$\begin{aligned} + \cdot (-) &= - \\ 3 \cdot (-6) &= -18 \end{aligned}$$

INTEGER DIVISION RULES

$$\begin{aligned} (-) \div (-) &= + \\ (-6) \div (-3) &= 2 \end{aligned}$$

$$\begin{aligned} + \div + &= + \\ 6 \div 3 &= 2 \end{aligned}$$

$$\begin{aligned} (-) \div + &= - \\ (-6) \div 3 &= -2 \end{aligned}$$

$$\begin{aligned} + \div (-) &= - \\ 6 \div (-3) &= -2 \end{aligned}$$