

Multiplying and Dividing Integers

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Rules for Multiplying and Dividing Integers

- 1) Signs are the same = **Positive**
- 2) Signs are different = **Negative**

$$(-) \times (-) = (+)$$

$$(+) \times (+) = (+)$$

$$(-) \times (+) = (-)$$

$$(+) \times (-) = (-)$$

Example:

Same

$$(-5) \times (-3) = +15$$

Diff

$$\text{Try: } (-2) \times (+10) = -20$$

$$(-27) \div (+3) = -9$$

$$(-35) \div (-5) = +7$$

$$\begin{array}{l} -3 \times -1 = +3 \\ -2 \times -1 = +2 \\ -1 \times -1 = +1 \\ 0 \times -1 = 0 \\ 1 \times -1 = -1 \\ 2 \times -1 = -2 \\ 3 \times -1 = -3 \end{array} \begin{array}{l} \uparrow +1 \\ \uparrow +1 \\ \uparrow +1 \\ \downarrow -1 \\ \downarrow -1 \\ \downarrow -1 \end{array}$$