

Multiplying and Dividing Integers

MULTIPLICATION & DIVISION

1. **Multiply or Divide like normal**

2. **SAME SIGNS?**

Answer is **POSITIVE**

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

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

$$(+)\div(+)=(+)$$

$$(-)\div(-)=(+)$$

3. **DIFFERENT SIGNS?**

Answer is **NEGATIVE**

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

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

$$(+)\div(-)=(-)$$

$$(-)\div(+)=(-)$$

EXAMPLES

$$\begin{aligned} (-5)\times(-5) &= \\ 25 \end{aligned}$$

$$\begin{aligned} (-5)\div(+1) &= \\ -5 \end{aligned}$$

$$\begin{aligned} (+10)\times(+10) &= \\ 100 \end{aligned}$$

$$\begin{aligned} (-100)\div(+25) &= \\ -4 \end{aligned}$$

$$\begin{aligned} (-42)\div(-6) &= \\ 7 \end{aligned}$$

$$\begin{aligned} (+77)\times(-1) &= \\ -77 \end{aligned}$$

$$\begin{aligned} (-5)\times(+5) &= \\ -25 \end{aligned}$$

$$\begin{aligned} (-20)\div(-2) &= \\ 10 \end{aligned}$$

$$\begin{aligned} (+10)\times(-4) &= \\ -40 \end{aligned}$$

$$\begin{aligned} (-15)\times(-2) &= \\ 30 \end{aligned}$$

$$\begin{aligned} (-3)\div(+1) &= \\ -3 \end{aligned}$$

$$\begin{aligned} (0)\times(+3) &= \\ 0 \end{aligned}$$