

Multiplication and Division

Switching signs is the easiest, most basic way to multiply and divide integers. An example is $6 \div -2$. First, carry out the problem as if negatives don't exist; it equals 3. When you make it -2 though, you must switch the answer's symbol. It no longer is positive, but it is negative.

One positive, one negative $\rightarrow$ Negative

Two negatives $\rightarrow$ Positive

Two positives $\rightarrow$ Positive

Examples: 1) $5 \div -5 = -1$

2) $3 \times -3 = -9$

3) $-2 \times -8 = 16$

4) $-8 \div -2 = 4$

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Page 2 of 2