

\times, \div integers

\times and \div

- do either with like signs, answer will always be positive

($- \times -$) ($- \div -$)

($+ \times +$) ($+ \div +$)

\hookrightarrow ex. $-8 \cdot -7 = 56$

$5 \cdot 4 = 20$

$-6 \div -6 = 1$ ~~$\frac{-6}{-6} = 1$~~

$6 \div 3 = 2$ ~~$\frac{-6}{-3} = 2$~~

- \times or \div unlike signs, answer will always be negative

\hookrightarrow ex: $-4 \div 2 = -2$ / $-5 \cdot 3 = -15$
 $\frac{-4}{2} = \frac{-2}{1} = -2$ / $-5 + -5 + -5 = -15$

$$-4(9x) \quad \cdot \quad 4 \cdot 9 \cdot x$$

$$-36x$$

$$-2x(3y)$$

$$-2x(3x)$$

$$-6xy$$

$$-6x^2$$

4ab

$$4 \cdot 3 \cdot 5$$

$$-20 \cdot 3$$

$$-60$$

$$a=3$$

$$b=5$$

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Homework

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16-30 even