

7th Grade

2.3 Multiplying and Dividing Integers

Same Sign = positive answer

2 Neg = Pos

Different Sign = negative answer

1 Neg stays Neg.

1 Find $6(-8)$.

-48

3 Find $-4(-3)$.

12

2) Find $(-3)^2 = -3 \cdot -3$

9

4) Find $(-7)^2 = -7 \cdot -7$

49

5 Find $-24 \div 3$.

-8

6 Find $-30 \div (-15)$.

2

7) $-\frac{20}{4} = ~~15~~$

-5

8) $-\frac{16}{-8}$ 2

You Try:

1) $-4 \cdot 5 = -20$

5) $\frac{-49}{7} = -7$

2) $-2(-7) = 14$

6) $\frac{30}{-10} = -3$

3) $-25 \div (-5) = 5$

4) $-16 \div 4 = -4$

More than 2 numbers - Cross negatives off in pairs

4) Find $+2(3)(+9)$.

$$6 \cdot 9$$

$$\textcircled{54}$$

5) Find $+6(+2)(-3)$

$$6 \cdot 6$$

$$\textcircled{-36}$$

6) Find $3(+1)(+3)(2)$

$$3 \cdot 3 = 9 \cdot 2 = 18$$

$$\textcircled{18}$$

7) Find $+2(+3)(+4)(+1)(2)$

$$6 \cdot 4 = 24 \cdot 2$$

$$\textcircled{48}$$

Understanding 0 divided by a

BB Groups

$6 \div 3$

$\# \text{ total} \div \# \text{ of groups} = \# \text{ in each group}$

$\# \text{ in each group} = 2$

$0 \div 5$

$\frac{0}{5} = 0$

Understanding Division by 0

$\# \text{ total} \div \# \text{ of groups} = \# \text{ in each group}$

$9 \div 3$

$= 3$

$4 \div 0$

$\frac{4}{0} = \text{undefined}$

$\div \text{ by } 0$

Homework

pg 136; 14-26

pg 140; 11-24, 43-47