

What does this mean?

$$-(-5)$$

5

$$--(-8)$$

-8

$-X = \text{opposite of } X$

answer could be positive or negative...

$6(-3)$  Simplify.

$$-3(6)$$

$$6 \times -3$$

$$=-18$$

$$2 \cdot -12$$
$$-12(2) = -24$$
$$\frac{-12}{-24}$$

#3

Simplify.

#5

$$8(-4) = -32$$

$$5(-9) = -45$$

$$5 \cdot 9 = 45$$

$$8 + (-4) = 8 - 4 = 4$$

$$5 + (-9)$$

$$\text{Table \#4} = 4$$

$$= 9$$

$$= 4$$

#6

$$-5(-6)$$

$$30$$

$$\begin{array}{r} -5 + -6 \\ -11 \end{array}$$

$$-10(-2)$$

$$20$$

$$\begin{array}{r} -10 + -2 \\ -12 \end{array}$$

# Multiplying Integers Rules

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

## Multiply Integers

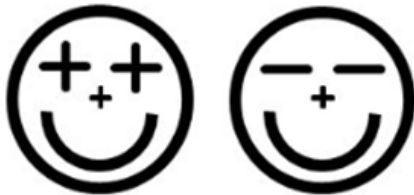
$$(-)(-) = +$$

$$(+)(-) = -$$

$$(-)(+) = -$$

optional →

Same Signs -  
POSITIVE



$$-9 \cdot -5 = 45$$

Different Signs -  
NEGATIVE



$$-9 \cdot 5 = -45$$

#6

$$9(-7)$$

$$\begin{array}{r} 9 \\ \times 7 \\ \hline 63 \\ 11 \\ \hline \end{array}$$

#7

$$-3(-6) = 18$$

#8

$$-4(8)$$

$$4 \times 8 = 32 = -32$$

$$15\frac{2}{3} + -19\frac{2}{5}$$

Subtract,  
since different signs

borrow

$$\begin{array}{r}
 18 \\
 \cancel{19} \frac{2}{5} \\
 \hline
 15 \frac{2}{5} \\
 \hline
 \end{array}$$

18 → 15

21

3/3

6

15/5

10

15/5

-3

15/5

or

$$\begin{array}{r}
 19 \frac{2}{5} \\
 \hline
 15 \frac{2}{5} \\
 \hline
 \end{array}$$

3/3

5/5

6

15/5

4 and 1/5

4

3/5

1/5

-3

15/5