

objective: Multiplying and Dividing
Integers

1/22/19

I. Symbols: Multiplication / Division

• $2 \times 3 = 6$

• $2 \cdot 3 = 6$

• $2(3) = 6$ or $(2)3 = 6$ or $(2)(3) = 6$

• $2 * 3 = 6$

Mult:

Div:

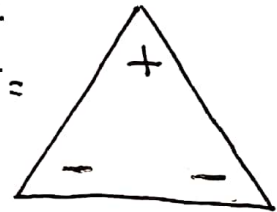
• fraction: $\frac{25}{5} = 5$

• symbol: $25 \div 5 = 5$

example:

$-2 \cdot -5 =$

10



II. Rules: Multiplying and Dividing

$2 \cdot -5 =$

-10

1.) same signs \rightarrow positive answer

2.) different signs \rightarrow negative answer

examples:

a.) $2 \times (-12) = -24$

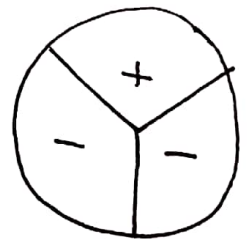
d.) $\frac{14}{-2} = -7$

b.) $5 \cdot (-3) = -15$

e.) $72 \div (-9) = -8$

c.) $-5 \cdot (-10) = 50$

f.) $-81 \div (-9) = 9$



III. Division involving zero

• $0 \div 4$ or $\frac{0}{4} = 0$

• $4 \div 0$ or $\frac{4}{0} = \emptyset$ Not possible.