

NAME: _____

DATE: _____

BLOCK: _____

Lesson 18 – Multiplication & Division of Integers

When multiplying and/or dividing three or more integers, there are TWO RULES to follow:

1. If there is an even number of negative signs, the answer will always be positive.

$$(-2)(+2)(-3)(+2)(-1)(-2) = \boxed{+48}$$

↑ ↑ ↑ ↑

4 negative signs

$$(-200) \div (-2) \div (-1) \div (+5) \div (-2) = \boxed{+10}$$

↑ ↑ ↑ ↑

4 negative signs

2. If there is an odd number of negative signs, the answer will always be negative.

$$(-2)(-1)(-3)(+2)(-1)(-2) = \boxed{-24}$$

↑ ↑ ↑ ↑ ↑

5 negative signs

$$(-240) \div (-2) \div (-3) \div (-5) \div (+2) \div (-2) = \boxed{-2}$$

↑ ↑ ↑ ↑ ↑

5 negative signs