

Notes - Multiplying and Dividing Integers

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When multiplying or dividing two integers with the _____ sign, the answer will always be _____

$$5 \cdot 7 = \quad -2 \cdot -12 =$$

$$-18 \div -3 = \quad 55 \div 11 =$$

When multiplying or dividing two integers with _____ signs, the answer will always be _____

$$5 \cdot (-12) = \quad -2 \cdot 14 =$$

$$-33 \div 3 = \quad 100 \div (-20) =$$

Practice:

1. $-3 \cdot 5 =$

4. $-7 \cdot 8 =$

2. $-50 \div 10 =$

5. $7 \cdot 8 =$

3. $-16 \div -2 =$

6. $-30 \cdot (-8) =$

What is the sign of the answer??

$$-2(3)(-5)(-2)(-4)(5) =$$

Rule:

_____ # of
negatives,
answer is

_____ # of
negatives,
answer is

What is the sign of the answer??

$$-5(-2)(-1)(2)(-4)(-3) =$$

Rule:

What about ...???

$$-2(5)(-3)(-1) = \quad \text{or} \quad 3(-2)(-1)(4) =$$

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Solve the expressions below:

1. $-2(-3)(5)(-1) =$

2. $-4(2)(-2)(-1)(-5) =$

http://www.sheppardsoftware.com/mathgames/integers/FS_Integer_multiplication.htm