

Multiplying & Dividing Integers

The product of two integers with the same sign is positive.

The product of two integers with different signs is negative.

	•	+	-
+	+	+	-
-	-	-	+

The quotient of two integers with the same sign is positive.

The quotient of two integers with different signs is negative.

	÷	+	-
+	+	+	-
-	-	-	+

When you have a string of numbers to multiply or divide:

Count the number of negative signs

if it's an even number the answer will be positive,

if it's an odd number the answer will be negative.

Practice:

1) $6(-8) =$

$+ \cdot - = \boxed{-48}$

2) $-3 \times 5 =$

$-3 \cdot +5 = \boxed{-15}$

3) $-6(-25) = \boxed{+150}$

$- \cdot - = +$

4) $64 \div (-32) = \boxed{-2}$

5) $-15 \div 3 = \boxed{-5}$

6) $\frac{-36}{-4} = \boxed{+9}$

7) $\frac{28}{-7} = \boxed{-4}$

8) $(-10)(2)(-1)(3)(1)(-2)(-1) =$

How many negatives? 4

Will the answer be + or -? +

Calculate the answer 120

9) $(-3)(2)(-1)(-1)(2)(4) =$

How many negatives? 3

Will the answer be + or -? -

Calculate the answer -48