**Multiplying Rational Numbers #2**

Note: It is important to pay attention to the signs of the numbers.

**Like signs** result in a positive sign

1. positive x positive = **positive**
2. negative x negative = **positive**

**Unlike signs** result in a negative sign

1. positive x negative = **negative**
2. negative x positive = **negative**

Note: When you have multiple numbers in the same problem, count the number of negative signs. This will help you determine the final sign for the answer.

1. **Even number** of negative signs = a **positive answer** {ie… (-2)(-3) = +6}
2. **Odd number** of negative signs = a **negative answer** {ie… (-1)(-4)(-5) = -20}

**Multiplying more than two Rational Numbers:**

Ex (1): Find the product of

Three Neg Fractions 🡪Multiply numerator with numerator 🡪 Negative Answer

Multiply denominator with denominator

Ex (2): Find the product of . Leave as a decimal answer.

Two Negative Values 🡪 Multiply two negative #’s with one positive # 🡪 pos ans