Math 7 Unit 1: Operations with Rational Numbers

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| **Standard** | **“I can” statement** |  |  |  |
| **NS.1a** | I can explain what an additive inverse is. |  |  |  |
| I can describe real-world situations in which opposite quantities combine to make zero. |  |  |  |
| I can represent how a number and its opposite have a sum of 0. |  |  |  |
| **NS.1b** | I can use a number line to add integers. |  |  |  |
| I can use real world situations to describe the sums of rational numbers.  |  |  |  |
| **NS.1c** | I can explain that subtraction of rational numbers as the additive inverse: p – q = p + (-q) |  |  |  |
| I can use a number line to subtract integers. |  |  |  |
| I can use real-world situations to explain that the distance between two numbers is the absolute value of the difference between those two numbers.  |  |  |  |
| **NS.1d** | I can identify properties of addition and subtraction. |  |  |  |
| I can add integers. |  |  |  |
| I can subtract integers. |  |  |  |
| **NS.2** | I can multiply integers. |  |  |  |
| I can divide integers. |  |  |  |
| **NS.2a** | I can use the multiplication rules for integers and apply them to multiplying decimals. |  |  |  |
| I can use the multiplication rules for integers and apply them to multiplying fractions.  |  |  |  |
| I can use real world contexts to describe the product of rational numbers. |  |  |  |
| I can create an equivalent mathematical expression when given an expression by using the distributive property or other properties of operations. |  |  |  |
| I can interpret the products of rational numbers in real-world contexts. |  |  |  |
| **NS.2b** | I can explain that integers can be divided provided that the divisor is not zero. |  |  |  |
| I can use the division rules for integers and apply them to dividing decimals.  |  |  |  |
| I can use the division rules for integers and apply them to dividing fractions.  |  |  |  |
| I can recognize that –(*p/q*) = (–*p*)/*q = p/*(–*q*)*.* |  |  |  |
| I can interpret the quotient of rational numbers in real-world contexts. |  |  |  |
| **NS.2c** | I can recognize and identify properties of multiplication and division. |  |  |  |
| I can apply multiplication/division properties to a given situation. |  |  |  |
| I can create or recognize an equivalent mathematical expression.ex.  |  |  |  |
| **NS.2d** | I can convert a rational number to a decimal using long division. |  |  |  |
| I can recognize a terminating decimal |  |  |  |
| I can recognize a repeating decimal |  |  |  |
| **NS.3** | I can add rational numbers. |  |  |  |
| I can subtract rational numbers. |  |  |  |
| I can multiply rational numbers. |  |  |  |
| I can divide rational numbers. |  |  |  |
| I can solve real-world mathematical problems by adding, subtracting, multiplying, and dividing rational numbers. |  |  |  |