**STANDARDS**:

What to Study……

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| 7.NS.A.1.a    Describe situations in which opposite quantities combine to make 0. |
| 7.NS.A.1.b  Show that a number and its opposite have a sum of 0 (are additive inverses). |
| 7.NS.A.1.c. Understand subtraction of rational numbers as adding the additive inverse, *p* - *q* = *p* + (-*q*). Also, model on a number line. |
| 7.NS.A.1.d  Apply properties of operations as strategies to add and subtract rational numbers. |
| 7.NS.A.2.a  Understand that multiplication is extended to rational numbers by requiring that operations continue to satisfy the properties of operations, particularly the distributive property, leading to products such as (-1)(-1) = 1 and the rules for multiplying signed numbers. |
| 7.NS.A.2.b  Understand that integers can be divided, provided that the divisor is not zero, and every quotient of integers is a rational number. If *p* and *q* are integers, then -(*p*/*q*) = (-*p*)/*q* = *p*/(-*q*). |
| 7.NS.A.2.d Convert a rational number to a decimal using long division; know that the decimal form of a rational number terminates in 0s or eventually repeats. |
| 7.NS.3   Solve real-world and mathematical problems involving the four operations with rational numbers. |
| 7.EE.B.4 Use variables to represent quantities in a mathematical problem and construct                simple equations to solve problems by reasoning about the quantities. |

**STANDARDS IN EASIER LANGUAGE:**

1. Different types of numbers (in your notes)
2. Comparing and ordering integers (book – section 3.1)
3. Absolute Value (book – section 3.1)
4. Adding integers (and on a number line) (book – sections 3.2, 3.3, 7.1, 7.2)
5. Subtracting integers (and on a number line) (book – sections 3.2, 3.3, 7.1, 7.2)
6. Multiplying integers (book – sections 3.5, 7.4)
7. Dividing integers (book – sections 3.6, 7.5)
8. Powers and Roots (book – section 1.3)
9. Order of Operations (book – section 1.4)
10. Variables and Expressions (book – section 1.5)
11. D= RT (book – p. 44)