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| **Math Tips - refer to these how-to's until you can do them automatically.** |
| Math Tips, Equations**How to Round a Number**  **To the nearest ten**  If the ones digit is 5 or more, round to the next highest ten (68 rounds to 70). If the ones digit is less than 5, round to the next lowest ten (33 rounds to 30).  **To the nearest hundred**  If the tens digit is 5 or more, round to the next highest hundred (384 rounds to 400). If the tens digit is less than 5, round to the next lowest hundred (427 rounds to 400).  **To the nearest thousand**  If the hundreds digit is 5 or more, round to the next highest thousand (7,602 rounds to 8,000). If the hundreds digit is less than 5, round to the next lowest thousand (7,268 rounds to 7,000).  **How to Find an Average**  To find the average of several numbers, add the numbers together and then divide the sum by the number of numbers. The average of 17, 30, 6, and 7 = 60 ÷ 4 = 15  **How to Tell if Two Fractions are Equivalent**  Cross multiply the fractions. If both products are the same, the fractions are equivalent.  3 and   9       3 x 24 = 72               3 and   9  are equivalent fractions. 8        24       8 x 9   = 72              8        24  Math Tips, Student5  and   3       5 x12 = 60                5   and  3  are not equivalent fractions.  8         12       8 x 3 = 24                8        12  **How to Find a Percentage**  To tell what percentage one number is of a second number, divide the first number by the second. Move the decimal point of the resulting quotient two places to the right.  Example:  What percentage is 20 of 300? 20 ÷ 300 = .067  =  6.7%  **How to Change a Fraction to a Percentage**  Divide the numerator by the denominator. Move the decimal point of the resulting quotient two places to the right.   6     =   6 ÷ 15 = .4 = .40 = 40% 15  **How to Change a Decimal to a Percentage**  Move the decimal point two places to the right. 0.792 = 79.2% |