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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        24Math 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% |