To Multiply or Divide by 4, Use 2 Twice

Mental Math Strategy

***When** to use this strategy:* Use this strategy when you need to multiply or divide a number by 4.
***How** to use this strategy:* Multiply (or divide) by 2 and then multiply (or divide) again by 2. (Dividing by 2 is the same as taking half of it.)

Examples: $63 \times 4 = 126 \times 2 = 252$ $\frac{26}{4} = \frac{13}{2} = 6.5$ $45.25 \times 4 = 90.5 \times 2 = 181$

Use this (new) strategy on the following:	
1.) There are 92 marbles in Rachel's bag. Each marble is red, blue, yellow, or green. If there is an equal number of each color, how many marbles are blue?	2.) Find the area of the triangle.
3.) Solve $-480 = -40x$	4.) F = force (N = Newtons); m = mass (kg); a = acceleration (m/sec^2) Newton's Second Law states that F = ma. If a rock with a mass of 4 kg is falling at an acceleration of 9.8 m/sec^2 (due to gravity), what is the gravitation force on the rock?

Use any strategy you know on the following:	
5.) Solve $\frac{1}{33} = 4x$	6.) Ten percent of Phil's music collection is Country music. He has 490 songs. How many Country songs does he have?
7.) If one can costs \$1.98, how much will 6 cans cost?	8.) Chandler has 4 grandparents. For his birthday, Chandler received \$56. If he received the same amount from each grandparent, how much did each person send him?