Divide by 4 by Dividing by 2 Twice

Mental Math Strategy

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

Examples: $\frac{288}{4} = \frac{144}{2} = 72$ $\quad 108 \div 4 = 54 \div 2 = 27$ $\quad \frac{18}{4} = \frac{9}{2} = 4.5$

Use this (new) strategy on the following:	
1.) Evaluate $\frac{14}{4} =$	2.) Central Grade school has 88 third graders. The principal wants to have four classes with an equal number of children in each class. How many third graders should be in each class?
3.) Evaluate $\frac{68x^3}{4x} =$	4.) n = number of tickets sold; p = profit ($); p = 4n – 100. If the profit is $184, find the number of tickets sold.

Use any strategy you know on the following:	
5.) Solve $\frac{x}{4} = 17$	6.) In the first five games, the Dustin scored 31, 28, 32, 33, and 28 points. About how many points has Dustin scored so far this year?
7.) Find the total deposit if you deposit the following checks: $6.80 + $1.50 + $6.50 + $2.20.	8.) On a road trip Matt brought $92 to spend. If the trip lasts four days, what is the maximum amount Matt should spend each day to have an equal amount of money every day?