

Halve any Even Number ≤ 100
Mental Math Strategy

When to use this strategy: Use this strategy to take half of an even number.

How to use this strategy: If both digits are even use front-end. If the first (tens) digit is odd, take have of *one less than* the digit to get the tens digit and take half of the second (ones) digit, treating it as if it were *in the teens*.

Examples: $86/2 = 43$ $54 \div 2 = 27$ (the 7 came from half of 14) $\frac{76}{2} = 38$

Use this (new) strategy on the following:	
1.) Solve $87 = 2x + 3$	2.) You see a sale for 50% off of your favorite jeans. They are originally \$72. What will the sale price be?
3.) Evaluate $\frac{(4.2 \times 10^{23})}{(2 \times 10^3)}$	4.) After a successful lemonade stand, you and your little sister made \$36.00. If you split the profits, how much money did each of you make individually?

Use any strategy you know on the following:	
5.) The team needs 16 T-shirts, each costing \$15. What is the total cost?	6.) Estimate the total cost of the following meal: Fries: \$1.89, Burger: \$3.75, Frappe: \$2.29.
7.) If the probability of failure is .54, what is the probability of success?	8.) The Cross Country team has a fund raiser and raises \$70. They give 50% of the money to the food pantry. How much do they give the food pantry?