

Front End Multiplication Strategy

Mental Math Strategy

When to use this strategy: Use this strategy when multiplying and there isn't any regrouping (carrying). It works well when one of the factors is a small single digit.

How to use this strategy: To use this strategy work from left to right – *just as you read the numbers*.

Examples: $32 \times 3 = (30 \times 3) + (2 \times 3) = 90 + 6 = 96$ $(7)(20.08) = 140.56$

$1025 \times 4 = (1000 \times 4) + (25 \times 4) = 4000 + 100 = 4100$

Use this (new) strategy on the following:	
1.) Solve: $\frac{x}{6} = 207$	2.) Seven friends went out for spaghetti and everyone's bill was \$11. How much money did the group spend?
3.) Evaluate 9.1×5	4.) A fan can turn 1207 times in one minute. How many turns does it make in 4 minutes?

Use any strategy you know on the following:	
5.) Paul has 347 bullets. If he shoots 116 of them, how many does he have left?	6.) One gross is 144. If Julie buys a gross and a dozen of pencils, how many does she have all together?
7.) A YouTube video has 342,001 views. How many views would it have if that were doubled?	8.) w = number of weeks C = Total internet cost, in dollars, for a business $C = 40 + 5.65w$ ACME Manufacturing uses the internet for 100 weeks, what is the total cost?