Front-End Estimation with Adjustment

Estimation Strategy

***When** to use this strategy:* Use this when you have numerous numbers to work with or you do not want to round.

***How** to use this strategy:* Use the front number or numbers. Calculate left to right (front-end) and then decide if you need to make an adjustment. *This method is often easier to use than rounding.

Examples: 45 + 24 + 72 + 41 ≈ →use 4+2+7+4 "0" + *adjustment* ≈ 170 + *adjustment* ≈ 180

4,129 × 30 ≈ 4,000×30 + *adjustment* ≈ 120,000 + *adjustment* ≈ 120,000

Use this (new) strategy on the following:	
1.) Estimate the sum 78 + 27 + 36 + 41 ≈	2.) Estimate a solution $\frac{x}{33} = 30$
3.) Energy costs for ACME Inc. average $74 per day. Estimate the total cost for a month.	4.) Insurance costs $254 per month. Estimate the cost for one year.

Use any strategy you know on the following:	
5.) Evaluate $m - n$ if $m = 345$ and $n = 202$.	6.) Does the point (18, 45) lie on the line with the equation $= 27 + x$?
7.) 381 + 365 + 572 ≈	8.) If $g(x) = 2x^2$, find $g(6)$.

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