

Front End Estimation w/ Addition and Subtraction Guided Lesson Explanation

There are two basic steps in these problems:

Step 1) Round each value.

Find the highest place value of each integer. Look at the place value below it. If that lower place value is 5 or more, round up. If that lower place value is 4 or less, round down.



Step 2) Add or Subtract the Front Ends

Add or subtract the front digits of the numbers and drop the zeroes.

1. $9\underline{1}8 + 6\underline{4}5 \gg \text{BECOMES} \gg 900 + 600 \gg \text{ADD } (9 + 6) \gg 1,500$

2. $1\underline{8}7 + 6\underline{5} \gg \text{BECOMES} \gg 200 + 70 \gg 270$

3. $9\underline{1} + 2\underline{6} \gg \text{BECOMES} \gg 90 + 30 \gg \text{ADD } (9 + 3) \gg 120$

4. $9\underline{7}1 - 9\underline{5} \gg \text{BECOMES} \gg 1,000 - 100 \gg \text{SUBTRACT } (10 - 1) \gg 900$

5. $8\underline{3} - 3\underline{8} \gg \text{BECOMES} \gg 80 - 40 \gg \text{SUBTRACT } (8 - 4) \gg 40$

6. $7\underline{8}2 - 5\underline{6}7 \gg \text{BECOMES} \gg 800 - 600 \gg \text{SUBTRACT } (8 - 6) \gg 200$

