

7.NS Rounding and Subtracting

Task

Xiaoli was estimating the difference between two positive numbers x and y (where $x > y$). First she rounded x up by a small amount. Then she rounded y down by the same amount. Finally, she subtracted the rounded values. Which of the following statements is correct?

- a. Her estimate is larger than $x - y$.
- b. Her estimate is smaller than $x - y$.
- c. Her estimate equals $x - y$.
- d. Her estimate equals $y - x$.
- e. Her estimate is 0.
- f. There is not enough information to compare $x - y$ with her estimate.



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