

Estimate: Addition and Subtraction of Decimals

1. Estimate the sum of the given decimals by rounding off each number first to the nearest tenths.

a.
$$\begin{array}{r} 21.11 \\ + 14.55 \\ \hline \end{array}$$

c.
$$\begin{array}{r} 27.3 \\ + 25.8 \\ \hline \end{array}$$

e.
$$\begin{array}{r} 99.61 \\ + 13.83 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 8.88 \\ + 6.71 \\ \hline \end{array}$$

d.
$$\begin{array}{r} 75.81 \\ + 15.66 \\ \hline \end{array}$$

f.
$$\begin{array}{r} 48.22 \\ + 37.15 \\ \hline \end{array}$$

Solution:

- a.
- b.
- c.
- d.
- e.
- f.

2. Estimate the difference of the given decimals by rounding off each number first to the nearest tenths.

a.
$$\begin{array}{r} 17.54 \\ - 6.39 \\ \hline \end{array}$$

c.
$$\begin{array}{r} 6.87 \\ - 2.15 \\ \hline \end{array}$$

e.
$$\begin{array}{r} 12.41 \\ - 3.12 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 43.96 \\ - 18.95 \\ \hline \end{array}$$

d.
$$\begin{array}{r} 7.31 \\ - 1.53 \\ \hline \end{array}$$

f.
$$\begin{array}{r} 15.67 \\ - 3.58 \\ \hline \end{array}$$

Solution:

- a.
- b.
- c.
- d.
- e.
- f.

3. In two days, you drive 15.4 miles and 24.2 miles. About how many miles did you drive during those days?

Solution:

4. About how much difference between Steven's salary of \$523.86 and Grace's salary of \$318.90?

Solution:

5. Melissa purchased \$39.46 in groceries at a store. Estimate how much the cashier gave her in change from a \$50 bill?

- a. 10
- b. 12

- c. 11
- d. 9

Solution:

6. Guess two decimals whose estimated sum is 75 and whose estimated difference is 5.

Solution:

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Answer Key

1.
 - a. 35.70
 - b. 15.60
 - c. 53.1
 - d. 91.50
 - e. 113.40
 - f. 85.40
2.
 - a. 11.10
 - b. 25.00
 - c. 4.70
 - d. 5.80
 - e. 9.30
 - f. 12.10
3. 40 miles
4. \$200
5. C
6. 40.3 and 34.9