

# REVIEW: Estimating Decimal Sums and Differences

Name \_\_\_\_\_

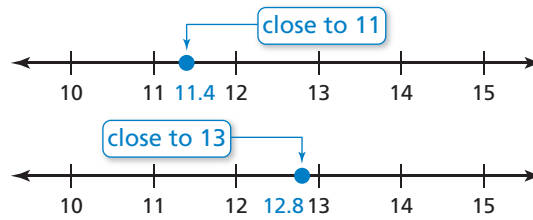
## Key Concept and Vocabulary

You can use rounding to estimate sums and differences of decimals.

$$\begin{array}{r} 11.4 \longrightarrow 11 \\ + 12.8 \longrightarrow + 13 \\ \hline 24 \end{array}$$



## Visual Model



$11.4 + 12.8$  is about  $11 + 13 = 24$ .

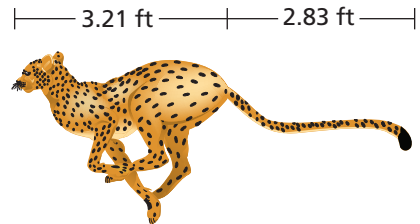
## Skill Examples

1. 
$$\begin{array}{r} 4.36 \longrightarrow 4 \\ + 2.87 \longrightarrow + 3 \\ \hline 7 \end{array}$$

2. 
$$\begin{array}{r} 9.8 \longrightarrow 10 \\ - 5.4 \longrightarrow - 5 \\ \hline 5 \end{array}$$

## Application Example

3. Estimate the total length of the cheetah.



$$\begin{array}{r} 3.21 + 2.83 \\ \downarrow \quad \downarrow \\ 3 + 3 = 6 \end{array}$$

The cheetah's total length is about 6 feet.

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Check your answers at [BigIdeasMath.com](http://BigIdeasMath.com).

Estimate the sum or difference.

- |                            |                              |                             |
|----------------------------|------------------------------|-----------------------------|
| 4. $3.6 - 2.7$ <u>1</u>    | 5. $9.03 - 6.78$ <u>2</u>    | 6. $2.3 + 5.6$ <u>8</u>     |
| 7. $8.21 - 4.11$ <u>4</u>  | 8. $5.68 + 4.38$ <u>10</u>   | 9. $3.9 + 3.9$ <u>8</u>     |
| 10. $2.61 + 3.45$ <u>6</u> | 11. $12.07 - 1.25$ <u>11</u> | 12. $10.04 - 6.79$ <u>3</u> |

Estimate the total cost of the two shirts.

- |   |   |   |   |
|---|---|---|---|
| 13.  \$17.89 |  \$15.07 | 14.  \$23.49 |  \$22.99 |
|   | <u>\$33</u>   |   | <u>\$46</u>   |

15. **SHOPPING** At the grocery store, you buy items for \$1.79, \$3.15, \$2.45, \$9.08, and \$3.99. Estimate the total amount you spend.    \$20

16. **HAMBURGERS** You buy 2 hamburgers that cost \$6.15 each. Estimate the total cost of the hamburgers.

One hamburger is about \$6, so 2 hamburgers cost about  $6 + 6 = \$12$ .