

REVIEW: Estimating Decimal Sums and Differences

Name _____

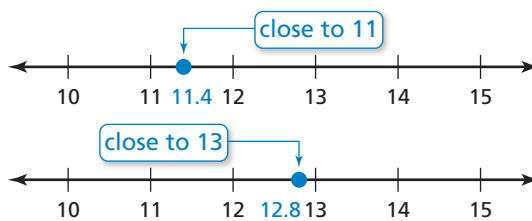
Key Concept and Vocabulary

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 $11 + 13 = 24$.

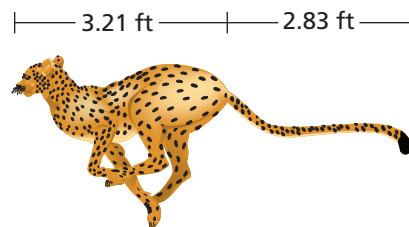
Skill Examples

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.

Estimate the sum or difference.

4. $3.6 - 2.7$ _____ 5. $9.03 - 6.78$ _____ 6. $2.3 + 5.6$ _____
 7. $8.21 - 4.11$ _____ 8. $5.68 + 4.38$ _____ 9. $3.9 + 3.9$ _____
 10. $2.61 + 3.45$ _____ 11. $12.07 - 1.25$ _____ 12. $10.04 - 6.79$ _____

Estimate the total cost of the two shirts.

13.  \$17.89  \$15.07 14.  \$23.49  \$22.99

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