

REVIEW: Estimating Decimal Sums and Differences

Name _____

Key Concept and Vocabulary

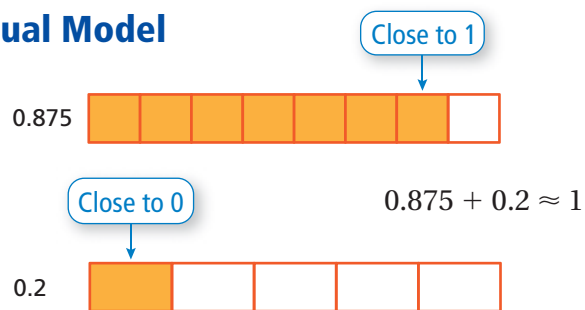
$$1.46 + 2.63 \approx 1.5 + 2.5 = 4$$

Estimate decimal part to be 0.0, 0.5, or 1.0.

Estimation



Visual Model



Skill Examples

- $4.36 + 2.87 \approx 4.5 + 3.0 = 7.5$
- $9.78 - 5.46 \approx 10.0 - 5.5 = 4.5$
- $5.13 - 3.58 \approx 5.0 - 3.5 = 1.5$
- $2.94 + 4.08 \approx 3.0 + 4.0 = 7.0$

Application Example

- Approximate the total length of the cheetah.

$3.21 + 2.83 \approx 3.0 + 3.0 = 6.0$

The cheetah's total length is about 6 feet.

PRACTICE MAKES PURR-FECT™

Check your answers at BigIdeasMath.com.

Estimate the sum or difference.

- | | | |
|---------------------------------|---------------------------------|----------------------------------|
| 6. $3.65 - 2.72 \approx$ _____ | 7. $9.03 - 6.78 \approx$ _____ | 8. $2.35 + 5.67 \approx$ _____ |
| 9. $8.21 - 4.11 \approx$ _____ | 10. $5.68 + 4.38 \approx$ _____ | 11. $3.92 + 3.92 \approx$ _____ |
| 12. $2.61 + 3.45 \approx$ _____ | 13. $2.07 - 1.45 \approx$ _____ | 14. $10.04 - 6.79 \approx$ _____ |

Approximate the total cost of the two shirts.

- | | |
|----------------------------------|----------------------------------|
| <p>15. \$17.89</p> <p>_____</p> | <p>16. \$23.49</p> <p>_____</p> |
|----------------------------------|----------------------------------|

- SHOPPING** At the grocery store, you buy items for \$1.79, \$3.15, \$2.45, \$9.08, and \$3.49. Estimate the total amount you spend. _____
- MENTAL MATH** You buy 6 hamburgers that cost \$3.45 each. Using only mental math, estimate the total amount of the 6 hamburgers.

