

REVIEW: Estimating and Finding a Tip

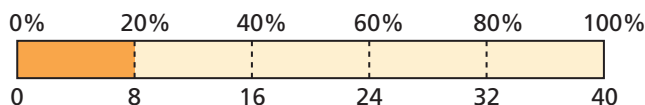
Name _____

Key Concept and Vocabulary

To find the tip on a food bill at a restaurant, write the percent as a decimal or fraction and multiply it by the cost of the food bill.



Visual Model



A 20% tip on a food bill of \$40 is \$8.

Application Examples

1. Your food bill at a restaurant is \$8.49. You leave a 15% tip.

Estimate: Round 8.49 to 10.

$$0.15 \times 10 = 1.5$$

❖ The estimate for the tip is \$1.50.

Actual: $0.15 \cdot 8.49 \approx 1.27$

❖ The actual tip is \$1.27.

2. Your food bill at a restaurant is \$15.83. You leave a 20% tip.

Estimate: Round 15.83 to 16.

$$0.2 \times 16 = 3.2$$

❖ The estimate for the tip is \$3.20.

Actual: $0.2 \times 15.83 \approx 3.17$

❖ The actual tip is \$3.17.



PRACTICE MAKES PURR-FECT®

Check your answers at BigIdeasMath.com.

Estimate the tip. Then find the actual tip.

3. Food bill: \$33.65; Tip: 15% _____
4. Food bill: \$44.28; Tip: 20% _____
5. Food bill: \$11.17; Tip: 15% _____
6. Food bill: \$12.37; Tip: 20% _____
7. Food bill: \$23.16; Tip: 15% _____
8. Food bill: \$16.21; Tip: 20% _____
9. Food bill: \$37.54; Tip: 25% _____
10. Food bill: \$25.96; Tip: 20% _____
11. Food bill: \$28.93; Tip: 15% _____
12. Food bill: \$72.79; Tip: 25% _____
13. Food bill: \$19.82; Tip: 23% _____
14. Food bill: \$51.56; Tip: 30% _____