

## REVIEW: Estimating and Finding a Tip

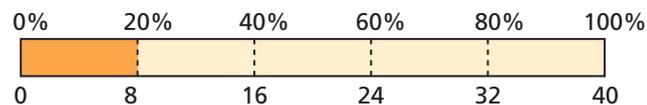
Name \_\_\_\_\_

### 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:**  $0.15 \times 8.49 \approx 1.27$

❖ 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](http://BigIdeasMath.com).

Estimate the tip. Then find the actual tip.

3. Food bill: \$33.65; Tip: 15% \$4.50; \$5.05
4. Food bill: \$44.28; Tip: 20% \$9; \$8.86
5. Food bill: \$11.17; Tip: 15% \$1.50; \$1.68
6. Food bill: \$12.37; Tip: 20% \$2; \$2.47
7. Food bill: \$23.16; Tip: 15% \$3; \$3.47
8. Food bill: \$16.21; Tip: 20% \$4; \$3.24
9. Food bill: \$37.54; Tip: 25% \$10; \$9.39
10. Food bill: \$25.96; Tip: 20% \$5; \$5.19
11. Food bill: \$28.93; Tip: 15% \$4.50; \$4.34
12. Food bill: \$72.79; Tip: 25% \$20; \$18.20
13. Food bill: \$19.82; Tip: 23% \$4.60; \$4.56
14. Food bill: \$51.56; Tip: 30% \$15; \$15.47