

# REVIEW: Estimating and Finding a Sales Tax

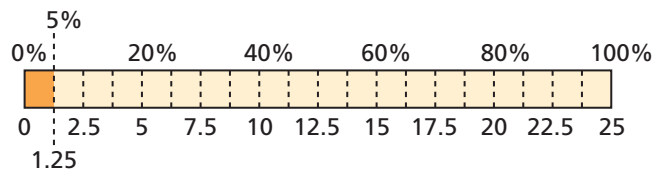
Name \_\_\_\_\_

## Key Concept and Vocabulary

To find the sales tax on an item, write the percent as a decimal or fraction and multiply it by the price of the item.



## Visual Model



Using a sales tax of 5%, the sales tax on a \$25 shirt is \$1.25.

## Application Examples

1. A DVD costs \$20 before tax. The sales tax is 7%.

**Estimate:** Round 7% to 5%.

$$0.05 \times 20 = 1$$

❖ The estimate for the sales tax is \$1.

**Actual:**  $0.07 \times 20 = 1.4$

❖ The actual sales tax is \$1.40.

2. A bicycle costs \$115 before tax. The sales tax is 9%.

**Estimate:** Round 9% to 10% and 115 to 120.

$$0.1 \times 120 = 12$$

❖ The estimate for the sales tax is \$12.

**Actual:**  $0.09 \times 115 = 10.35$

❖ The actual sales tax is \$10.35.

## PRACTICE MAKES PURR-FECT®



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

Estimate the sales tax. Then find the actual sales tax.

3. **BASEBALL CARDS** The pack of baseball cards costs \$3.75 before tax. The sales tax is 4%.

**\$0.20; \$0.15**

4. **TELEVISION** A television costs \$400 before tax. The sales tax is 8%.

**\$40; \$32**

5. **MP3 PLAYER** An MP3 player costs \$89 before tax. The sales tax is 6%.

**\$5; \$5.34**

6. **COUCH** A couch costs \$675 before tax. The sales tax is 5%.

**\$35; \$33.75**

7. **GUITAR** A guitar costs \$299 before tax. The sales tax is 9%.

**\$30; \$26.91**

8. **TABLE** A table costs \$50 before tax. The sales tax is 4.5%.

**\$2.50; \$2.25**

9. **JEANS** A pair of jeans costs \$39 before tax. The sales tax is 5.5%.

**\$2; \$2.15**