

REVIEW: Estimating and Finding a Sales Tax

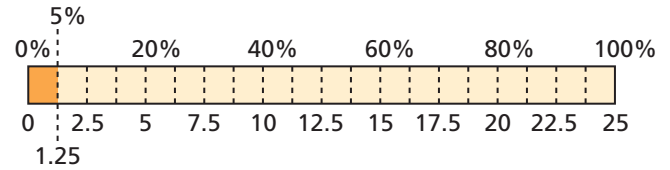
Name _____

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.



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Check your answers at 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