Sales Tax and Discounts
A shirt costs $19.95 but is on sale at 25% off. Find the sale price.

Step 1: Set up an equation.

\[
\text{Discount} = \text{Discount Rate} \times \text{Original Price}
\]

\[
\text{Discount} = 0.25 \times 19.95
\]

\[
\text{Discount} = 4.9875
\]

Step 2: Round to the nearest penny.

$4.9875 is about $4.99.

Step 3: Subtract the discount from the original price to get the sale price.

\[
19.95 - 4.99 = 14.96
\]

price - discount = sale price

The sales tax rate is 4.5%. Find the sales tax amount. Then find the total cost of the shirt.

Step 1: Use an equation to calculate the sales tax amount.

\[
\text{Sales tax} = \text{Tax rate} \times \text{Price}
\]

\[
\text{Sales tax} = 0.045 \times 14.96
\]

\[
\text{Sales tax} = 0.6732
\]

Step 2: Round to the nearest penny.

$0.6732 is about $0.67.

Step 3: Add the sales tax onto the price.

\[
14.96 + 0.67 = 15.63
\]

sale price + sales tax = total cost

Find each sale price or total cost with sales tax. Round your answer to the nearest cent.

1. 20% off $12.80

2. 45% off $200.00

3. 10% off $52.75

4. $6.50 and 5% tax

5. $34.50 and 6% tax

6. $13.00 and 4.5% tax

7. 25% off $63.50

8. $19.99 and 4.5% tax

9. 50% off $55.00

10. $24.95 and 5.5% tax

11. $7.25 and 6% tax

12. 7.5% off $40.00

Use with text pages 478–481.