Name: Date:

Percent Change Word Problems

To calculate percent change, use this formula: $\frac{\text{new value} - \text{starting value}}{\text{starting value}} \times 100$

Example:

A value changes from **40 to 50**. $\frac{50-40}{40} \times 100 = 25\%$ increase

1. A shirt price increases from **$20 to $30**. What is the percent change? = _____

2. A bike rental fee increases from **$50 to $65**. What is the percent change? = _____

3. The number of students in a club decreases from **40 to 28**. What is the percent change? = _____

4. A video game price increases from **$80 to $100**. What is the percent change? = _____

5. A store reduces the price of a backpack from **$120 to $96**. What is the percent change? = _____

6. A pet shelter population increases from **60 to 90** animals. What is the percent change? = _____

Name: Answer Key Date:

Percent Change Word Problems

To calculate percent change, use this formula: $\frac{\text{new value} - \text{starting value}}{\text{starting value}} \times 100$

Example:

A value changes from **40 to 50**. $\frac{50-40}{40} \times 100 = 25\%$ increase

1. A shirt price increases from **$20 to $30**. What is the percent change? = 50% increase

2. A bike rental fee increases from **$50 to $65**. What is the percent change? = 30% increase

3. The number of students in a club decreases from **40 to 28**. What is the percent change? = 30% decrease

4. A video game price increases from **$80 to $100**. What is the percent change? = 25% increase

5. A store reduces the price of a backpack from **$120 to $96**. What is the percent change? = 20% decrease

6. A pet shelter population increases from **60 to 90** animals. What is the percent change? = 50% increase