

13. How to calculate percentage change



Scenario Questions:

1. A shirt originally priced at £40 is now on sale for £32. What is the percentage decrease in price?

2. The population of a town increased from 10,000 to 12,000. What is the percentage increase in population?

3. The price of a stock increased from £50 to £60. What is the percentage increase in price?

4. A car's fuel efficiency improved from 25 miles per gallon to 30 miles per gallon. What is the percentage increase in fuel efficiency?

5. The temperature dropped from 80 degrees Fahrenheit to 60 degrees Fahrenheit. What is the percentage decrease in temperature?

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Scenario Questions:

6. A company's revenue decreased from £1 million to £800,000. What is the percentage decrease in revenue?

7. The weight of a person decreased from 180 pounds to 162 pounds. What is the percentage decrease in weight?

8. The value of a house increased from £200,000 to £250,000. What is the percentage increase in value?

9. The number of students in a school decreased from 500 to 400. What is the percentage decrease in the number of students?

10. The price of a product increased from £10 to £15. What is the percentage increase in price?

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Scenario Questions: **Answers**

1. A shirt originally priced at £40 is now on sale for £32. What is the percentage decrease in price?

1. The percentage decrease in price is 20%.

2. The population of a town increased from 10,000 to 12,000. What is the percentage increase in population?

2. The percentage increase in population is 20%.

3. The price of a stock increased from £50 to £60. What is the percentage increase in price?

3. The percentage increase in price is 20%.

4. A car's fuel efficiency improved from 25 miles per gallon to 30 miles per gallon. What is the percentage increase in fuel efficiency?

4. The percentage increase in fuel efficiency is 20%.

5. The temperature dropped from 80 degrees Fahrenheit to 60 degrees Fahrenheit. What is the percentage decrease in temperature?

5. The percentage decrease in temperature is 25%.

6. A company's revenue decreased from £1 million to £800,000. What is the percentage decrease in revenue?

6. The percentage decrease in revenue is 20%.

7. The weight of a person decreased from 180 pounds to 162 pounds. What is the percentage decrease in weight?

7. The percentage decrease in weight is 10%.

8. The value of a house increased from £200,000 to £250,000. What is the percentage increase in value?

8. The percentage increase in value is 25%.

9. The number of students in a school decreased from 500 to 400. What is the percentage decrease in the number of students?

9. The percentage decrease in the number of students is 20%.

10. The price of a product increased from £10 to £15. What is the percentage increase in price?

10. The percentage increase in price is 50%.