

Solving Percent Problems

Solve

1. If 15% of a number is 45, what is the number?

2. 25% of what number is 30?

3. If a shirt originally costs \$40 and is on sale for 20% off, what is the sale price?

4. If a quantity is decreased by 15% and the result is 85, what was the original quantity?

5. Sarah scored 80% in a test with 50 questions. How many questions did she answer correctly?

6. A restaurant bill is \$120, and the tip is 15%. What is the total cost including the tip?

7. There is a 25% discount in the price of a jacket. If the sale price is \$75, what was the original price?

8. A company had a 10% increase in profits, and the new profit is \$55,000. What was the original profit?

Solving Percent Problems

Answers

1. If 15% of a number is 45, what is the number?

300

2. 25% of what number is 30?

120

3. If a shirt originally costs \$40 and is on sale for 20% off, what is the sale price?

\$32

4. If a quantity is decreased by 15% and the result is 85, what was the original quantity?

100

5. Sarah scored 80% in a test with 50 questions. How many questions did she answer correctly?

40

6. A restaurant bill is \$120, and the tip is 15%. What is the total cost including the tip?

\$138

7. There is a 25% discount in the price of a jacket. If the sale price is \$75, what was the original price?

\$100

8. A company had a 10% increase in profits, and the new profit is \$55,000. What was the original profit?

\$50,000