

Name

Date



FIND THE PERCENTAGE CHANGE SHEET 1

Work out these percentage increases and decreases.

Give your answers to the nearest percent.

- 1) A remote-control car costs \$60. It is reduced to \$45 in the sale. By what percentage was the price reduced?
- 2) Sally puts \$2500 in a bank account. She takes it out 10 years later. It is now worth \$4100. Find the percentage increase.
- 3) On a winter's day, the average temperature during the daytime is 40°F. At night the temperature falls to 24°F. What is the percentage decrease?
- 4) Tyger buys a car for \$6900. He spends some time repairing it and improving it. He sells it for \$9200. What is his percentage profit?
- 5) A car can travel 580 miles on a full tank of gas. With four new eco-tyres it can travel 620 miles. Find the percentage increase in miles the tyres have made.
- 6) A fire burns with normal wood at about 1100°F. If you use special kiln-dried wood, it burns as 1220°F. What percentage increase in heat will there be if I use kiln-dried wood?



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FIND THE PERCENTAGE CHANGE SHEET 1 ANSWERS

- 1) A remote-control car costs \$60. It is reduced to \$45 in the sale. By what percentage was the price reduced?

Answer: it is reduced by 25% in the sale

- 2) Sally puts \$2500 in a bank account. She takes it out 10 years later. It is now worth \$4100. Find the percentage increase.

Answer: the money has increased by 64%

- 3) On a winter's day, the average temperature during the daytime is 40°F. At night the temperature falls to 24°F. What is the percentage decrease?

Answer: the temperature has fallen by 40%.

- 4) Tyger buys a car for \$6900. He spends some time repairing it and improving it. He sells it for \$9200. What is his percentage profit?

Answer: his percentage profit is 33%

- 5) A car can travel 580 miles on a full tank of gas. With four new eco-tyres it can travel 620 miles. Find the percentage increase in miles the tyres have made.

Answer: the tyres have improved the mileage by 7%

- 6) A fire burns with normal wood at about 1100°F. If you use special kiln-dried wood, it burns as 1220°F. What percentage increase in heat will there be if I use kiln-dried wood?

Answer: It will be 11% hotter using the kiln-dried wood.