## *PERCENT CHANGE PROBLEMS*

*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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