Percentages and percentage change

Year 8 | Key Stage 3 | 12 questions, 32 marks

KS3 Maths topic practice

Scan for the solutions

Name: _____ **Date:** _____ **Score:** _____ **/ 32**

1 Write down 50% of £86

(1 mark)

Answer _____

2 Work out

a. 25% of £64

b. 35% of 340 kg

(3 marks)

Answer _____

3 Work out 30% of 60% of £250

(2 marks)

Answer _____

4 Write down the decimal multiplier you would use to

a. increase an amount by 15%

b. decrease an amount by 8%

c. increase an amount by 3.5%

(3 marks)

Answer _____

5 The value of a van is multiplied by 0.88 each year.

Write down the percentage decrease in the value of the van each year.

(1 mark)

Answer _____

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6 a. A games console costs £280. The price goes up by 12%. Use a multiplier to work out the new price.

b. A winter coat costs £75. In a sale the price is reduced by 30%. Use a multiplier to work out the sale price.

(3 marks)

Answer _____

7 Amira puts £1200 into a savings account. The account pays 3.5% simple interest per year.

Work out how much money is in the account after 5 years.

(3 marks)

Answer _____

8 Ben's monthly electricity bill was £96. It went up by 15%.

Ben's monthly broadband bill was £30. It went up by 40%.

Ben says, "My broadband bill went up by more money than my electricity bill."

Is Ben correct? You must show your working.

(4 marks)

Answer _____

9 Ben buys a car for £16 000.

The value of the car depreciates by 15% each year.

Work out the value of the car at the end of 2 years.

(2 marks)

Answer _____

10 A house is worth £240 000. Its value increases by 4% each year.

Work out the value of the house after 3 years. Give your answer to the nearest pound.

(3 marks)

Answer _____

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11 Freya buys a motorbike for £7200.

Its value depreciates by 12% each year.

Show that the value of the motorbike at the end of 3 years is less than £5000. (3 marks)

Answer _____

12 Leo has £5000 to save for 3 years.

Bank A pays 4% simple interest per year.
Bank B pays 3.8% compound interest per year.

Which bank gives Leo more money at the end of 3 years? You must show your working. (4 marks)

Answer _____

End of questions | Total 32 marks

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