



Calculator questions 2 - answers

1. A brand of cereal is usually sold in 750 g packs. During a special promotion an extra 15% is added to each box. What will the new weight be?

The cereal weighs 750 g.

Think of the original weight as 100% and 15% has been added so we now have 115%.

Correct answer: **the new weight is $115 \div 100 \times 750\text{g} = 862.5\text{ g}$**

2. Joanne's car insurance is reduced by 10% for each year that she has not had an accident.

The normal cost of her insurance is £420 but she has a 3-years' 'no claims bonus'. How much is her insurance?

£420 car insurance - 10% off for each of the three years (30% altogether).

Think of the original as 100%. 30% needs to be taken away which leaves 70% to pay.

Correct answer: **the reduced insurance is $70 \div 100 \times £420 = £294$**

3. A new window costs £600 plus VAT. How much is the total bill? (VAT is 20%.)

A window costs £600 plus VAT.

The £600 is 100% and with VAT added we get 100% + 20%.

Correct answer: **the final bill will be for $120 \div 100 \times £600 = £720$**

4. An extension on a house increases the floor area by 12%. If the floor area was 200 sq m how big is it now?

A floor area of 200 m² increased by 12%.

The increased area is 100% + 12% of the original area.

Correct answer: **the area is now $112 \div 100 \times 200\text{ sq m} = 224\text{ sq m}$**

5. A new TV costs £375. You pay a 35% deposit. How much is there left to pay?

TV costing £375 -35% deposit paid.

This means that there is 65% left to pay.

Correct answer: **the balance is $65 \div 100 \times £375 = £243.75$**