GCSE FOUNDATION · REVISION MAT 3

Percentages and percentage change

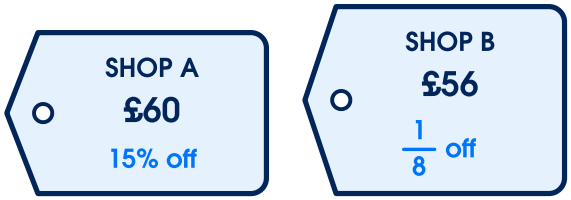
1 Work out 65% of 180.

2 A phone costs £180.

The price is increased by 20%.

Work out the new price.

3 The same coat is sold in two shops.



Show that the coat is cheaper in Shop B.

4 Ugo says,

"If you increase an amount by 10%
and then decrease the answer by 10%,
you get back to where you started."

Use an amount of £500 to show that Ugo is wrong.

5 The table shows Priya's rent and pay.

	Last year	This year
Rent per month	£900	£954
Pay per month	£1,500	£1,620

Which went up by the greater percentage, her rent or her pay?

You must show your working.

6 A car costs £15,000.

In the first year its value falls by 10%.

In the second year its value falls by a further 20%.

(a) Work out the value after 2 years.

(b) Work out the overall percentage decrease.

Mr&Mrs MATHS

ANSWERS · REVISION MAT 3

Percentages and percentage change

1 10% = 18, 5% = 9

65% = **117**

2 20% of £180 = £36

£180 + £36 = **£216**

3 Shop A: £60 – £9 = £51

Shop B: £56 – £7 = £49

Shop B is cheaper ✓

4 Increase: £500 + £50 = £550

Decrease: £550 – £55 = £495

£495 ≠ £500 ✓

5 Rent: 54 ÷ 900 × 100 = 6%

Pay: 120 ÷ 1500 × 100 = 8%

Pay went up by the greater percentage.

6 (a) £15,000 × 0.9 = £13,500

£13,500 × 0.8 = **£10,800**

(b) 4,200 ÷ 15,000 × 100 = **28%**