GCSE FOUNDATION · REVISION MAT 1

Percentages and percentage change

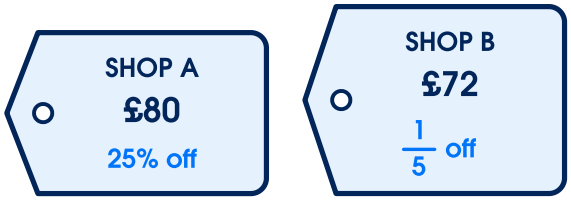
1 Work out 35% of 240.

2 A jacket costs £60.

The price is increased by 15%.

Work out the new price.

3 The same coat is sold in two shops.



Show that the coat is cheaper in Shop B.

4 Sam 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 £200 to show that Sam is wrong.

5 The table shows Priya's rent and pay.

	Last year	This year
Rent per month	£750	£810
Pay per month	£1,600	£1,720

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

You must show your working.

6 A car costs £12,000.

In the first year its value falls by 20%.

In the second year its value falls by a further 15%.

(a) Work out the value after 2 years.

(b) Work out the overall percentage decrease.

ANSWERS · REVISION MAT 1

Percentages and percentage change

1 10% = 24, 5% = 12

35% = **84**

2 15% of £60 = £9

£60 + £9 = **£69**

3 Shop A: £80 – £20 = £60

Shop B: £72 – £14.40 = £57.60

Shop B is cheaper ✓

4 Increase: £200 + £20 = £220

Decrease: £220 – £22 = £198

£198 ≠ £200 ✓

5 Rent: 60 ÷ 750 × 100 = 8%

Pay: 120 ÷ 1600 × 100 = 7.5%

Rent went up by the greater percentage.

6 (a) £12,000 × 0.8 = £9,600

£9,600 × 0.85 = **£8,160**

(b) 3,840 ÷ 12,000 × 100 = **32%**