GCSE FOUNDATION · REVISION MAT 5

Percentages and percentage change

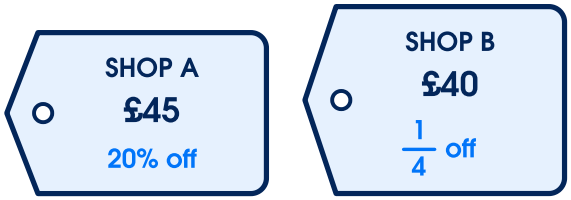
1 Work out 85% of 140.

2 A lamp costs £36.

The price is increased by 25%.

Work out the new price.

3 The same coat is sold in two shops.



Show that the coat is cheaper in Shop B.

4 Wyn says,

"If you increase an amount by 50%
and then decrease the answer by 50%,
you get back to where you started."

Use an amount of £300 to show that Wyn is wrong.

5 The table shows Priya's rent and pay.

	Last year	This year
Rent per month	£560	£588
Pay per month	£1,800	£1,854

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

You must show your working.

6 A car costs £6,000.

In the first year its value falls by 30%.

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 5

Percentages and percentage change

1 10% = 14, 5% = 7

85% = **119**

2 25% of £36 = £9

£36 + £9 = **£45**

3 Shop A: £45 – £9 = £36

Shop B: £40 – £10 = £30

Shop B is cheaper ✓

4 Increase: £300 + £150 = £450

Decrease: £450 – £225 = £225

£225 ≠ £300 ✓

5 Rent: 28 ÷ 560 × 100 = 5%

Pay: 54 ÷ 1800 × 100 = 3%

Rent went up by the greater percentage.

6 (a) £6,000 × 0.7 = £4,200

£4,200 × 0.8 = **£3,360**

(b) 2,640 ÷ 6,000 × 100 = **44%**