GCSE FOUNDATION · REVISION MAT 4

Percentages and percentage change

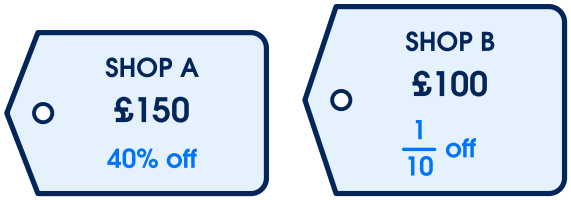
1 Work out 45% of 320.

2 A sofa costs £450.

The price is decreased by 30%.

Work out the new price.

3 The same coat is sold in two shops.



Show that the coat costs the same in both shops.

4 Viv says,

"If you increase an amount by 25%
and then decrease the answer by 25%,
you get back to where you started."

Use an amount of £800 to show that Viv is wrong.

5 The table shows Priya's rent and pay.

	Last year	This year
Rent per month	£820	£902
Pay per month	£2,400	£2,580

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

You must show your working.

6 A car costs £20,000.

In the first year its value falls by 15%.

In the second year its value falls by a further 10%.

(a) Work out the value after 2 years.

(b) Work out the overall percentage decrease.

Mr&Mrs MATHS

ANSWERS · REVISION MAT 4

Percentages and percentage change

1 10% = 32, 5% = 16

45% = **144**

2 30% of £450 = £135

£450 – £135 = **£315**

3 Shop A: £150 – £60 = £90

Shop B: £100 – £10 = £90

The same ✓

4 Increase: £800 + £200 = £1,000

Decrease: £1,000 – £250 = £750

£750 ≠ £800 ✓

5 Rent: 82 ÷ 820 × 100 = 10%

Pay: 180 ÷ 2400 × 100 = 7.5%

Rent went up by the greater percentage.

6 (a) £20,000 × 0.85 = £17,000

£17,000 × 0.9 = **£15,300**

(b) 4,700 ÷ 20,000 × 100 = **23.5%**