GCSE FOUNDATION · REVISION MAT 2

Percentages and percentage change

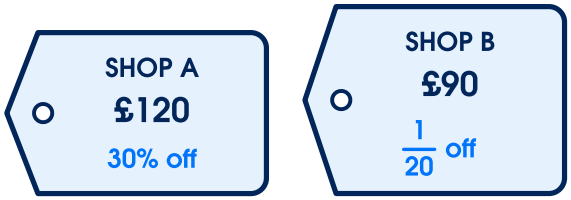
1 Work out 15% of 360.

2 A bike costs £240.

The price is decreased by 35%.

Work out the new price.

3 The same coat is sold in two shops.



Show that the coat is cheaper in Shop A.

4 Tess says,

"If you increase an amount by 20%
and then decrease the answer by 20%,
you get back to where you started."

Use an amount of £400 to show that Tess is wrong.

5 The table shows Priya's rent and pay.

	Last year	This year
Rent per month	£640	£688
Pay per month	£2,000	£2,120

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

You must show your working.

6 A car costs £8,000.

In the first year its value falls by 25%.

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 2

Percentages and percentage change

1 10% = 36, 5% = 18

15% = **54**

2 35% of £240 = £84

£240 − £84 = **£156**

3 Shop A: £120 − £36 = £84

Shop B: £90 − £4.50 = £85.50

Shop A is cheaper ✓

4 Increase: £400 + £80 = £480

Decrease: £480 − £96 = £384

£384 ≠ £400 ✓

5 Rent: 48 ÷ 640 × 100 = 7.5%

Pay: 120 ÷ 2000 × 100 = 6%

Rent went up by the greater percentage.

6 (a) £8,000 × 0.75 = £6,000

£6,000 × 0.9 = **£5,400**

(b) 2,600 ÷ 8,000 × 100 = **32.5%**