

Interleaved: percentages



1

A coat costs £80. It is reduced by 15% in a sale. What is the sale price?

Which method? Percentage of an amount
Percentage change Reverse percentage
the original is known: $80 \times 0.85 = 68$

Answer £68

2

In a sale, a lamp costs £42 after a 30% reduction. What was its price before the sale?

Which method? Percentage of an amount
Percentage change Reverse percentage

Answer _____

3

A sunflower grew from 25 cm to 32 cm in a week. Find the percentage increase.

Which method? Percentage of an amount
Percentage change Reverse percentage

Answer _____

4

A train ticket costs £36. The price goes up by 5%. Find the new price.

Which method? Percentage of an amount
Percentage change Reverse percentage

Answer _____

5

After a 20% pay rise, Ola earns £540 a week. How much did she earn a week before the rise?

Which method? Percentage of an amount
Percentage change Reverse percentage

Answer _____

6

A car's value fell from £12,500 to £9,750. Find the percentage decrease.

Which method? Percentage of an amount
Percentage change Reverse percentage

Answer _____

7

A school has 1,240 students. 35% of them walk to school. How many students walk?

Which method? Percentage of an amount
Percentage change Reverse percentage

Answer _____

8

A bill of £94.50 includes VAT at 20%. Find the bill before VAT was added.

Which method? Percentage of an amount
Percentage change Reverse percentage

Answer _____

Interleaved: percentages *further practice*



9

A café sold 160 cakes on Monday and 184 cakes on Tuesday. Find the percentage increase.

Answer _____

10

A puppy's mass increased by 40% to 9.8 kg. What was its mass before?

Answer _____

11

A meal costs £48. A tip of 12.5% is added. What is the total cost?

Answer _____

12

A shop buys a board game for £25 and sells it for £34. Find the percentage profit.

Answer _____

13

The population of a town fell by 8% to 27,600. What was the population before the fall?

Answer _____

14

The water in a tank went down from 450 litres to 279 litres. Find the percentage decrease.

Answer _____

15

Increase 260 kg by 17.5%.

Answer _____

16

A price went up by 25% to £150. Kai says the old price was 75% of £150, which is £112.50. Explain his mistake and find the old price.

Answer _____