

F2 Mixed Percentages KS3 ANSWERS

- (Decrease by a %) A coat costs £89.40. In a sale it is reduced by 18%. What is the sale price?
£73.31
- (Find %age increase) A piece of elastic is stretched from 46 cm to 62 cm. Find the percentage increase.
34.8%
- (Express one quantity as a %age of another) In a crate of 250 apples, 21 are bad. What percentage are bad?
8.4%
- (Reverse %ages - increase) The number of pupils in a school rises by 8% to 891. How many did there used to be?
825
- (Find %age of a quantity) Find 74% of £45.
£33.30
- (Increase by a %) The bill for a meal came to £45.80 plus 15% service charge. What was the total bill?
£52.67
- (Reverse %ages - reduce) A jumper is reduced by 30% in a sale. It is now £8.75. How much was it before?
£12.50
- (Find %age decrease) A stick is shortened from 140 cm to 133 cm. What percentage has been removed?
5%
- (Express one quantity as a %age of another) A farmer has 69 pigs and 173 cows. What percentage of the animals are cows?
71.5%
- (Decrease by a %) A town had a population of 82400. The total fell by 14%. What is the new population?
70864
- (Find %age increase) A mug of coffee is heated from 20°C to 85°C. Find the percentage increase.
325%
- (Reverse %ages - increase) A season ticket goes up by 14% to £319.20. How much was the season ticket last year?
£280
- (Find %age of a quantity) Find 219% of 56 kg.
122.64 kg
- (Increase by a %) A person earns £24600. She is given a 5.3% increase. How much does she now earn?
£25903.80
- (Reverse %ages - reduce) A clock is reduced by 12%. The sale price is £14.08. What was the original price?
£16
- (Find %age decrease) A man weighs 72 kg. Two weeks later he weighs 68.5 kg. Find the percentage loss.
4.86%
- (Find %age of a quantity) Find 0.45% of £340000
£1530
- (Increase by a %) After a house is bought for £72000, it is sold for a 9.3% profit. How much is it sold for?
£78696

19. (Find %age increase) There were 879 pupils in a school. Find the percentage increase if there are now 913.
3.87%
20. (Reverse %ages - reduce) After a year a car is worth £18500. How much was it bought for if this is a 16% loss?
£22023.81
21. (Express one quantity as a %age of another) Ben collects posters and has 145 in total. He has 65 film posters, 29 pop posters and the rest are video posters. What percentage are video posters?
35.2%
22. (Find %age decrease) After a leak there are 65 litres of water left in a tank, which originally held 240 litres. What percentage of the water has been lost?
72.9%
23. (Decrease by a %age) In a storm, 8% of trees in a forest are felled. If the forest originally had 7400 trees, how many are left standing?
6808 trees
24. (Reverse %ages - increase) An antique's price increases by 14%. If is worth £108.30, how much was it worth before?
95%