

Percentage

1. What is $\frac{13}{25}$ as a percentage? _____
2. What is 45% as a decimal? _____
3. How do you write 0.3 as a percentage? _____
4. Greeta scored 42 out of 50 for her Maths exam. What percentage did she get for Maths? _____

5. According to the local paper, only 20% of Whiteburn's rugby supporters are women. Gary says that is equivalent to 1 in 5, whereas Ed says that is equivalent to 1 in 20. Who is correct? _____

6. $\frac{6}{10}$ of the delegates at a conference are women. What percentage are men? _____

7. At the sewing store, Trisha bought a bag of mixed buttons. The bag included 56 buttons, of which 25% were large. How many large buttons did Trisha get?
90% of = 36

8. At a water park, 12 out of 30 tickets sold were child tickets. What percentage of the tickets were child tickets? _____

9. If a box of coloured pencils costs £0.57, how much would 2 boxes of colored pencils cost? _____

10. How much money does Alma need to buy a jersey signed by a famous hockey player and a photograph signed by a famous race car driver? _____

CD signed by a famous band	£358.00
jersey signed by a famous hockey player	£534.00
photograph signed by a famous race car driver	£345.00
shirt signed by a famous soccer player	£261.00
jersey signed by a famous basketball player	£274.00
book signed by a famous author	£449.00

11. Alec buys a tulip during the sale. If the original price was £0.40, how much does Alec pay?

£ _____

10% off sale!

12. An entrepreneur buys some antique iron benches. Each one costs £750 and resells online for £930. What is the mark-up, as a percentage?

13. Dave wants to buy a ceramic vase. The sale price is £3. What was the original price?

Sale! 70% off!

14. As a salesperson, Hirsi earns a base salary of £94 per week plus a commission of 20% of sales. If he had £90 in sales last week, what was his total pay?

15. Estimate the amount of the tip by rounding the bill to the nearest pound before calculating. 15% tip on a bill of £60.80
The amount of the tip is approximately

16. Preston deposited £20 in a savings account earning 10% interest, compounded annually.

17. Isaac went to work at a bakery. He baked 465 apple pies. Then he baked 300 pecan pies. About how many pies did he bake in all? Choose the better estimate.

18. There are 7 red pens in Fernanda's desk drawer. There are 5 more black pens than red pens. There are also 7 more blue pens than red pens. How many pens are there in all?

19. Of the people in Tara's neighbourhood, 4 like to read true stories. 7 people like to read funny stories. 3 people like to read both true stories and funny stories. How many people like to read true stories or funny stories or both?

20. In one year, **2 million tonnes** of glass bottles and jars were thrown away in the UK.

38% of these bottles and jars were recycled.

How many tonnes of the bottles and jars were recycled?

_____ tonnes