

Fraction/decimal/percentage word problems

- A shop has a sale where all items are reduced in price by 30%. A CD player normally costs £45. How much will it cost now? Record your method.
- Which is greater: 80% of 35 or $\frac{2}{5}$ of 60?
- A bar of chocolate contains 12 squares. Ann eats $\frac{1}{6}$ of the bar. Ben eats $\frac{3}{4}$ of the bar. What fraction of the bar is left?
- Charlie has saved £15 towards buying a computer game. This is $\frac{3}{5}$ of the cost of the game. How much does the game cost?
- In a packet of 40 biscuits, 20% are chocolate, $\frac{3}{8}$ are plain and the rest are custard creams. How many are custard creams?
- Sam gets £3.50 pocket money. He spends $\frac{2}{5}$ of it. What is left?
- Word problems, e.g. 200 people attended a concert. $\frac{1}{3}$ of the people had complimentary tickets. The rest paid £7.50 each. How much money was collected from selling tickets?
- Money and measures, e.g. Which is longer: $\frac{3}{4}$ of an hour or 2500 seconds?
- Every day scenarios, e.g. Peter's family have a meal out to celebrate his birthday. The meal costs £52 and the restaurant adds a 15% service charge. How much is the bill altogether?
- Emma gets 16 out of 20 in a test on Monday and 38 out of 50 in a test on Tuesday. On which day did she score a higher percentage? Explain how you know.
- A bag contains 1 kg of sugar. I use $\frac{1}{4}$ of it in baking and pour $\frac{2}{3}$ of what is left into a jar. How many g of sugar are left in the bag?
- A camera normally costs £85 in shop A but is reduced by 20%. In shop B the same camera normally costs £100 but is reduced by 35%. Where should I buy the camera?
- At a concert there are about 20,000 people. $\frac{2}{5}$ of the people are women and 15% are children. How many men are at the concert?