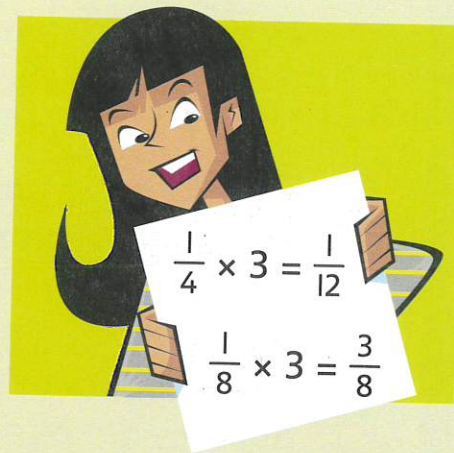


Word problems

- 1 Emily has £48.58 in her wallet and £75.87 in her bank account. She uses her money to buy a computer game that costs £111.49. How much money does she have now?
- 2 Julie decided to go on a cycling holiday. She rode 67.73 miles on the first day. On the second day she rode 86.48 miles. She wants to cover 200 miles in three days. How far does she need to ride on the third day?
- 3 Each gold and silver medal from an athletics competition weighs 0.41 kg. The bronze medal weighs 0.05 kg less. What is the weight of the medals held by a person who won two gold, one silver and three bronze medals?
- 4 An air ticket to fly to Dubai costs £628. Is the cost of 23 tickets greater than £12 000? If so, by how much?
- 5 Jon uses a cycling app. It tells him that he has been on 1774 rides and that he rides, on average, 28 km per ride. What is the overall distance of all his rides and how much further has he got to go to have cycled 50 000 km?
- 6 Ahmed is a boat painter. In one week he uses 4.36 l of blue paint. He uses 7.28 l more white paint than blue paint. If the blue and white paint costs £3 per litre, how much did he spend on paint?
- 7 A scientist measures 5.6 ml of acid into a test-tube. With a pipette he carefully takes out 0.37 ml of the acid. Finally he adds 2.09 ml of water into the test-tube. How much liquid is in the test-tube now?
- 8 A famous footballer earns £7 654 743 in one year. In the following year his income increases by £944 354. How much does he earn in the two years put together?

Answer these word problems.

- 1 Farmer David has 24 chickens. He gives a quarter of the chickens to Sally and a sixth of the chickens to Patience. How many chickens does he have left?
- 2 Poppy gives one half of a cake to her big brother and the other half to her three friends who share it equally. What fraction of the cake does each friend get?
- 3 Beth has done two calculations. Her teacher says one is right and one is wrong. Which one is wrong? Show Beth the correct answer.
- 4 Abshly has one-quarter of a bag of crisps. He gives the bag to three friends who share it equally. What fraction of the bag do they each have?
- 5 Jerry has saved £36.60. He gives a quarter of his savings to his best friend. How much does he now have?
- 6 Mali has half of the cost of a day trip to a theme park for two people, and Sarah has one-third of the cost. What fraction of the cost do they have?
- 7 Sam has one-quarter of a bar of chocolate and Zoe has one-third. What fraction of a whole bar do they have altogether?
- 8 Two-thirds of a pizza is left in the fridge. The cat manages to steal one-quarter of this. What fraction of the whole pizza did the cat steal?



 I am confident with multiplying and dividing fractions.

word problems and mixed calculations

- 1 This chart shows the cost of printing photos and postage.

Standard size	12p per print
Enlarged size	27p per print
Postage	£2.10 per order

Jade orders **7 standard sized prints** and **5 enlarged prints**.
What is the total cost, including postage?

- 2 In a school talent show Dean gets 76 votes.
Sandeep gets exactly **four times as many** votes as Dean.
How many votes does Sandeep get?
- 3 In a box there are **3 milk chocolates** to every **2 dark chocolates**.
The box has 25 chocolates altogether.
a) How many are **milk chocolates**?
b) What percentage of the chocolates in a full box are dark?
- 4 Two people each buy **8 litres** of milk.



Julia buys **8 bottles** at **54p per litre**.
Sam buys **two 4-litre bottles** at **£1.93 per bottle**.
Who pays more for the 8 litres and by how much?