

Max's Market Stall: Exploring Percentages

Learning objective: To understand that percentage means 'number of parts per hundred' and recognise that 50% is equivalent to $\frac{1}{2}$ and 25% is equivalent to $\frac{1}{4}$.

Read the story about Max the monkey's fruit stall. Use your knowledge of fractions and decimals to help him work out the prices and discounts for his customers.

Max the monkey has opened a fruit stall in the forest. He loves using maths to help his friends. Today, he is selling special fruit baskets for £10.00 each. To make his stall exciting, Max offers different discounts. He tells his customers that 50% off means they pay half the price, and 25% off means they pay a quarter of the price. If a basket costs £10.00, a 50% discount means the customer saves £5.00. Max wants to make sure all his friends get a fair deal, so he uses his chalkboard to show the percentages clearly.

Word bank: percentage · equivalent · fraction · discount · hundredths

1. If a fruit basket costs £10.00, how much money would a customer save if they had a 50% discount voucher? (2 marks)

2. Max sells a bag of nuts for £4.00. What is 25% of £4.00? (2 marks)

3. Explain why 50% is the same as $\frac{1}{2}$. (2 marks)

4. If Max decides to give a 25% discount on a £8.00 melon, what is the new price of the melon? (2 marks)

5. Write 75% as a fraction in its simplest form. (1 mark)

Draw: Draw a square split into 100 small equal squares. Colour in 25% of the squares in blue and 50% of the squares in yellow.



Extension challenge: Max has a special offer: 'Buy one get one 50% off'. If two baskets cost £10.00 each, how much would a customer pay in total for both baskets using this offer?