

Max's Market Maths: Understanding Percentages

Learning objective: To recognise that per cent means 'out of 100' and to find percentages of amounts.

Max the monkey is helping at the local fruit stall. Read his notes and answer the questions below to help him calculate the prices.

Max has 100 pieces of fruit to sell. He knows that 50% means 50 out of 100, which is the same as one half. He also knows that 25% is 25 out of 100, which is the same as one quarter. Today, he is selling apples at £1.00 each. If a customer buys a bag of 10 apples, the total cost is £10.00. Max wants to give a discount to his friends.

Word bank: percentage · per cent · fraction · out of 100 · equivalent

1. Max has 100 apples. If he sells 25% of them, how many apples has he sold? (2 marks)

2. The price of a large fruit basket is £20.00. Max offers a 50% discount. How much money does the customer save? (2 marks)

3. If 10% of Max's 100 apples are green, how many green apples does he have? (2 marks)

4. Max sells 75% of his 100 apples by lunchtime. How many apples does he have left to sell in the afternoon? (2 marks)

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

Draw: Draw a 10x10 grid (100 squares). Colour in 25% of the squares in red to show the apples sold, and 10% of the squares in green to show the green apples.



Extension challenge: Max has a basket of 200 strawberries. If he sells 25% of them, how many strawberries does he sell? Show your working out.