

Max's Percentage Market Stall Challenge

Learning objective: To recognise the per cent symbol (%) and understand that per cent relates to 'number of parts per hundred'.

Max the monkey is helping at the local market. He needs to calculate discounts and stock levels using percentages. Read each scenario and use your knowledge of fractions and decimals to help him solve these maths puzzles.

Word bank: percentage · fraction · decimal · hundredths · discount · equivalent · denominator · numerator

1. Max has 100 apples. If 25% are red, how many red apples does he have? Explain your working out. (2 marks)

2. A box of pears costs £10.00. Max offers a 10% discount. What is the value of the discount in Australian dollars and cents? (2 marks)

3. Write 50% as a fraction in its simplest form and as a decimal. Why are these three values equivalent? (3 marks)

4. Max sells 75% of his bananas. If he started with 100 bananas, how many does he have left to sell? (2 marks)

5. If Max has a crate of 200 oranges and 50% are sold, how many oranges were sold? Show your calculation. (2 marks)

Extension challenge: Design your own 'Market Sale' poster. Choose an item, give it a price in Australian dollars and cents, and offer a percentage discount. Calculate the new price for your customers!