

Max's Market Stall: A Percentages Challenge

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

Help Max the monkey calculate the discounts and stock levels for his fruit market stall. Remember, per cent means 'out of 100'.

Max has opened a fruit stall to help his friends eat healthily. He has 100 pieces of fruit in total. He knows that 25% of his fruit are shiny red apples, 50% are sweet bananas, and the remaining 25% are juicy pears. Max is holding a sale to help his community save money. He decides to offer a 10% discount on all prices. If a bag of apples originally costs £5.00, Max needs to work out how much money his friends will save and what the new price will be.

Word bank: Percentage · Fraction · Decimal · Equivalent · Discount · Hundredths

1. If Max has 100 pieces of fruit and 50% are bananas, how many bananas does he have? (1 mark)

2. Write 25% as a fraction in its simplest form. (1 mark)

3. Max is selling a basket of pears for £4.00. How much is a 10% discount on this basket? (2 marks)

4. Using your answer from the previous question, what is the new sale price of the basket of pears? (2 marks)

5. If 20% of the fruit in the store is bruised and cannot be sold, how many pieces of fruit are left to sell? (2 marks)

Draw: Draw a basket containing 10 pieces of fruit. Color 50% of them yellow to represent the bananas, 30% red to represent the apples, and 20% green to represent the pears.



Extension challenge: Max has a special offer: 'Buy 100 items and get 25% off the total bill!' If a customer buys items totalling £20.00, how much money would they save with this offer?