

Max's Market Stall Fractions

Learning objective: To recognise, find, and write fractions of a discrete set of objects and solve problems involving money.

Max the monkey is helping at the local market today. Use your knowledge of fractions to help him sort his fruit and calculate the prices. Show your working out clearly.

Max has a crate of 20 pieces of fruit to sell. He has 10 shiny red apples, 5 golden pears, and 5 bunches of grapes. He needs to pack these into baskets to sell to his friends. Each apple costs 20p, each pear costs 30p, and each bunch of grapes costs 50p.

Word bank: numerator · denominator · fraction · equivalent · total · part of a whole

1. Max puts his fruit into 5 equal baskets. What fraction of the total fruit is in one basket? Explain how you know. (2 marks)

2. If Max sells $\frac{2}{5}$ of his apples to Ellie, how many apples does she buy? How much does she pay in total? (2 marks)

3. Pip the caterpillar wants to buy $\frac{1}{5}$ of the total fruit. If he buys 4 pieces of fruit, what is the total cost if he chooses 2 apples and 2 pears? (2 marks)

4. Max says that $\frac{5}{20}$ of his fruit are pears. Can you simplify this fraction to its smallest form? (2 marks)

5. If Zara buys $\frac{1}{4}$ of the total fruit, how many pieces of fruit does she have? Is this more or less than 5 pieces? (2 marks)

Draw: Draw Max's 5 baskets and show how he has shared the 20 pieces of fruit equally between them.



Extension challenge: Max finds a special crate of 30 oranges. He sells $\frac{1}{6}$ of them to Leo. If each orange costs 10p, how much money does Max make from that sale? Write your answer in pounds (£).