

Max's Market Stall Fractions

Learning objective: To recognise, find, and write fractions of a discrete set of objects and understand unit and non-unit fractions.

Max the monkey is helping at the local fruit market. Use your maths skills to help him sort his produce and solve the problems below. Show your working out clearly.

Max has a crate of 12 pieces of fruit to sell. He has 4 shiny red apples, 3 yellow bananas, 2 green pears, and 3 purple plums. He needs to pack them into bags for his customers. Remember, a fraction tells us how many parts of a whole we have. The denominator shows the total number of items, and the numerator shows how many items we are looking at.

Word bank: numerator · denominator · fraction · part · whole · equal

1. What fraction of the 12 pieces of fruit are apples? Write your answer as a fraction. (1 mark)

2. Max sells $\frac{3}{12}$ of his fruit as plums. If he sells $\frac{2}{12}$ as pears, what fraction of the fruit is left in the crate? (2 marks)

3. A customer buys $\frac{1}{4}$ of the 12 pieces of fruit. How many pieces of fruit did the customer buy? Show your working. (2 marks)

4. Max has some coins in his pocket. He has £1.00 and wants to give $\frac{1}{5}$ of it to his friend. How much money does he give away in pence? (2 marks)

5. If Max had 20 oranges and sold $\frac{4}{5}$ of them, how many oranges does he have left? (2 marks)

Draw: Draw a basket containing 10 pieces of fruit. Colour $\frac{3}{10}$ of the fruit red and $\frac{7}{10}$ of the fruit yellow.



Extension challenge: Max has 24 strawberries. He gives $\frac{1}{4}$ to Pip, $\frac{1}{3}$ to Zara, and keeps the rest for himself. How many strawberries does Max keep? Explain your answer.