

Max's Market Stall: A Ratio Adventure

Learning objective: To understand and apply the concepts of ratio and proportion in real-life contexts.

Help Max the monkey organise his market stall! Read the information below and use the ratios to draw the correct amounts of fruit, then answer the maths questions.

Max is selling fruit at the local market. He likes to keep his stall tidy by using ratios. For every 2 red apples he displays, he always puts out 3 green pears. This is a ratio of 2:3. Max also sells bunches of grapes. For every 1 bunch of red grapes, he has 4 bunches of green grapes. Max uses these ratios so his stall looks perfectly balanced.

Word bank: Ratio · Proportion · Share · Equivalent · Quantity · Total

1. If Max has 4 red apples on his stall, how many green pears must he have to keep the 2:3 ratio? (2 marks)

2. Max has 8 bunches of green grapes. Using the ratio of 1:4 (red to green), how many bunches of red grapes should he have? (2 marks)

3. Max sells a bag of mixed fruit for £5. If he sells 4 bags, how much money has he made in total? (2 marks)

4. If Max puts 3 red apples and 5 green pears in a special basket, what is the ratio of red apples to green pears? (1 mark)

5. Max has 20 pieces of fruit in total. If the ratio of oranges to lemons is 1:3, how many oranges does he have? (3 marks)

Draw: Draw Max's display: Start by drawing 4 red apples. Next to them, draw the correct number of green pears based on the 2:3 ratio. Finally, draw 1 bunch of red grapes and 4 bunches of green grapes.



Extension challenge: Max wants to create a new ratio for his 'Super Fruit Box'. He wants 2 bananas for every 5 strawberries. If he wants to fill a box with 21 pieces of fruit in total, how many bananas and how many strawberries will he need? Explain your working out.