

Max's Market Stall: A Fraction Adventure

Learning objective: To recognise, find, and write fractions of a discrete set of objects and amounts.

Read the story about Max the monkey and his market stall. Use your knowledge of fractions to help him solve his maths puzzles.

Max the monkey has opened a fruit stall at the forest market. He has a basket of 12 shiny red apples. Max wants to share them fairly with his friends. He gives $\frac{1}{4}$ of his apples to Pip the caterpillar. Next, he decides to sell $\frac{1}{3}$ of his apples to a hungry farmer. Max also has 10 gold coins in his till. He decides to give $\frac{1}{2}$ of his coins to a charity for forest animals. Max loves using fractions to make sure everyone gets an equal share!

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

1. Max starts with 12 apples. If he gives $\frac{1}{4}$ of them to Pip, how many apples does Pip receive? (2 marks)

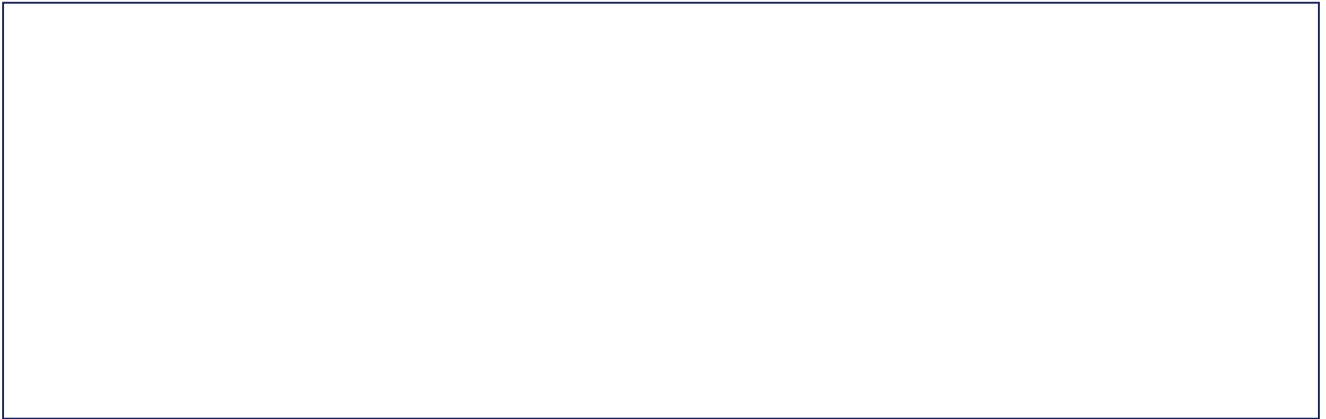
2. After giving apples to Pip, Max has some left. If he sells $\frac{1}{3}$ of his original 12 apples to the farmer, how many apples does the farmer buy? (2 marks)

3. Max has 10 gold coins. If he gives $\frac{1}{2}$ of his coins away, how many coins does he have left for his own pocket? (2 marks)

4. Explain in your own words why it is important that fractions must be 'equal parts'. (2 marks)

5. If Max had 8 bananas and gave $\frac{1}{2}$ to Ellie the elephant, how many bananas would Ellie have? (1 mark)

Draw: Draw a basket containing 12 pieces of fruit. Colour $\frac{1}{4}$ of the fruits green and the rest red.



Extension challenge: Max finds a box of 20 strawberries. He wants to give $\frac{1}{5}$ to Zara and $\frac{2}{5}$ to Leo. How many strawberries does each friend get? How many strawberries does Max have remaining?