

Max's Fractions Challenge

Learning objective: To recognize, find, and write fractions of a set of objects and understand equivalent fractions.

Read each question carefully. Use the word bank to help you. Fill in the boxes with your answers. You can use the pictures to help you count.

Max the monkey is organising his fruit snacks. He has 10 pieces of fruit in a basket. Some are apples and some are bananas. Max likes to share his fruit into equal groups.

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

1. Max has 4 apples and 6 bananas. What fraction of the fruit are apples? (Write your answer as a fraction) (2 marks)

2. Max finds 8 coins. He wants to give half to his friend. How many coins is half of 8? Write your answer below. (2 marks)

3. Look at these two fractions: $\frac{1}{2}$ and $\frac{2}{4}$. Are they equal? Explain why using the word 'equal'. (4 marks)

4. Max buys a chocolate bar for £1.00. He eats $\frac{3}{10}$ of it. How many tenths are left? (2 marks)

5. Max has 12 grapes. He gives $\frac{1}{4}$ of them to Pip. How many grapes does Pip get? Show your working out here. (4 marks)

6. Max has a basket of 20 items. 5 are yellow, 5 are red, 5 are blue, and 5 are green. Write a story about Max sharing these items. Use fractions to explain how he gives them to his friends. (Total: 11 marks - 6 for correct math, 5 for writing) (11 marks)

Draw: Draw a circle and shade in $\frac{3}{4}$ of it to show Max how much of his pizza he has eaten.



Extension challenge: Total: /25. Challenge: If Max has £2.00, can he buy 4 bars of chocolate if each bar costs 50p? Explain how you know.