

Max's Magnificent Fraction Feast

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

Max the monkey is hosting a picnic! Help him divide his snacks fairly by using your knowledge of fractions. Look at the total number of items and work out the fractions for each friend.

Max the monkey has gathered a basket of 20 delicious fruits for his friends. He has 10 bright red apples, 5 yellow bananas, and 5 juicy plums. Max wants to share them equally. He knows that the denominator shows the total number of items, while the numerator shows how many we are counting. For example, if he gives away 5 bananas out of 20 fruits, he is sharing $\frac{5}{20}$ of his basket, which is the same as $\frac{1}{4}$.

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

1. Max has 20 pieces of fruit in total. What fraction of the fruit are the red apples? Write your answer in its simplest form. (2 marks)

2. If Max gives $\frac{1}{2}$ of his 10 apples to Leo the lion, how many apples does Leo receive? (2 marks)

3. Max finds 100 sunflower seeds. He wants to give $\frac{35}{100}$ to Bea the honeybee. Write this fraction as a decimal. (2 marks)

4. Zara the zebra brings 12 carrot sticks. She eats $\frac{1}{4}$ of them. How many carrot sticks does she have left? (2 marks)

5. Explain why $\frac{5}{10}$ is the same as $\frac{1}{2}$ using the words 'numerator' and 'denominator'. (3 marks)

Draw: Draw Max's picnic basket. Inside, draw 20 items: 10 apples, 5 bananas, and 5 plums. Colour the fraction of fruits that are bananas in yellow.



Extension challenge: Max finds a box of 100 chocolates that cost £10.00. If he eats $\frac{1}{10}$ of the box, how much did that fraction of the box cost in pounds and pence?