

Max the Monkey's Fruit Sharing Challenge

Learning objective: To recall and use division facts for the 2, 5 and 10 multiplication tables and solve problems involving grouping.

Read the story below and help Max solve his fruit sharing puzzles. Remember to show your working out!

Max the monkey has been busy gathering fruit in the jungle. He loves math and wants to make sure all his friends get an equal amount of treats. Today, Max has 20 juicy mangoes. He wants to share them equally between 5 of his friends: Pip, Nova, Ellie, Finn, and Zara. Max also has 12 bananas that he wants to put into bunches of 2 for his snacks. Finally, he has 30 grapes that he wants to share into groups of 10 to give to the birds.

Word bank: divide · share · equal groups · remainder · total · multiplication

1. If Max shares 20 mangoes equally between 5 friends, how many mangoes does each friend get? (2 marks)

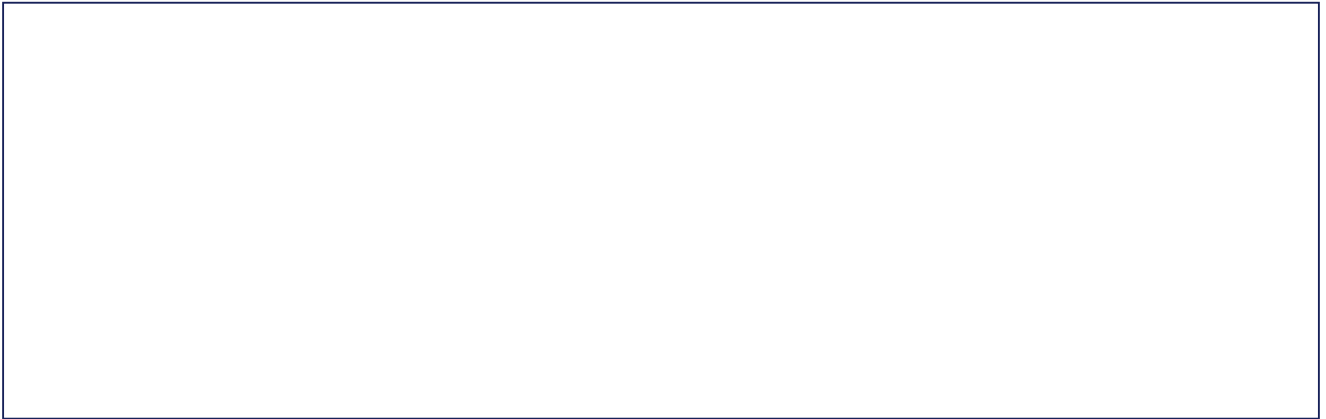
2. Max has 12 bananas. If he puts them into bunches of 2, how many bunches can he make? (2 marks)

3. Max has 30 grapes. If he puts them into groups of 10, how many groups will he have? (2 marks)

4. If Max has £10 and wants to buy 2 identical packs of seeds that cost the same amount, how much does one pack cost? (2 marks)

5. Write a division number sentence for this problem: 15 apples shared equally into 5 baskets. (2 marks)

Draw: Draw 15 apples and group them into 3 equal circles to show how you would divide them.



Extension challenge: Max finds 25 coconuts. He wants to put them into bags of 5. How many bags does he need? What happens if he finds one more coconut and now has 26? Explain why there is one left over.