

Max the Monkey's Mathematical Division Challenge

Learning objective: To recall and use division facts for the 3, 4 and 8 multiplication tables, and solve problems involving grouping and sharing.

Read each question carefully. Show your working out in the space provided to earn method marks. Use your knowledge of times tables to help you.

Max the monkey is organising his fruit collection. He has a pile of bananas, pears, and oranges that he needs to share equally between his friends in the jungle so that everyone has the same amount.

Word bank: share · group · remainder · divide · total · equal

1. Max has 24 bananas. He wants to share them equally between 3 friends. How many bananas does each friend get? Show your working. (2 marks)

2. Max has 32 pears. He puts them into baskets, with 4 pears in each basket. How many baskets does he need? (2 marks)

3. Max finds 40 oranges. He divides them into 8 equal groups. Write the division calculation for this and solve it. (2 marks)

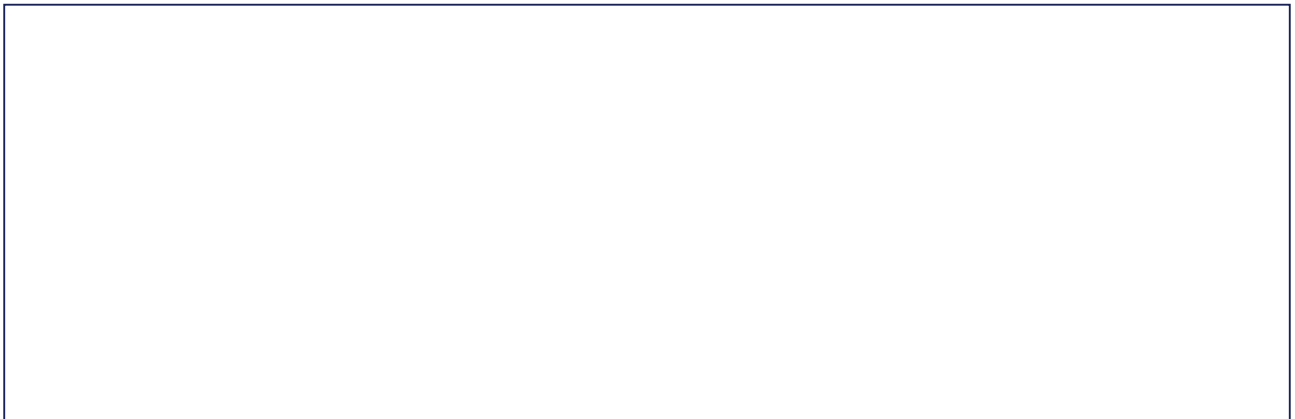
4. Max has £28 to spend on new fruit baskets. Each basket costs £4. How many baskets can he buy? Explain how you found your answer. (3 marks)

5. Calculate $36 \div 3$. Then, use your answer to help you solve: If Max has 36 stickers and gives 3 to every friend, how many friends receive stickers? (4 marks)

6. Max has 27 shiny pebbles. He wants to share them equally between 4 friends. How many pebbles will each friend receive? Will there be any pebbles left over? Explain your answer. (4 marks)

7. Max is planning a jungle party. Write a short story (or a clear set of instructions) explaining how Max uses division to share 48 cupcakes between 8 animal friends. You must include the calculation and explain what happens if one more friend arrives unexpectedly. (8 marks)

Draw: Draw a picture showing 12 apples shared equally onto 3 plates. How many apples are on each plate?



Extension challenge: Total: /25