

Max the Monkey's Fruit Stall Challenge

Learning objective: To recall and use division facts for the 3, 4, 6, 7, 8, 9, 11 and 12 multiplication tables and solve problems involving dividing two-digit numbers by one-digit numbers.

Help Max the Monkey organise his fruit stall. Read each problem carefully, show your working out, and write your final answer clearly.

Max the Monkey is busy setting up his fruit stall for the forest market. He has crates of fresh fruit that need to be shared out equally so all the animals can have a snack. Max uses his maths skills to make sure every basket has the exact same amount. Today, he has 72 bananas to pack into 6 crates, 48 juicy mangoes to share between 4 hungry lions, and 84 crunchy apples to put into bags of 7.

Word bank: quotient · remainder · divide · share · array · partition

1. Max packs 72 bananas equally into 6 crates. How many bananas will be in each crate? (2 marks)

2. If Max shares 48 mangoes between 4 lions, how many mangoes does each lion receive? (2 marks)

3. Max has 84 apples. He puts them into bags of 7. How many bags does he need in total? (2 marks)

4. Leo the Lion finds a pile of 35 pineapples. He wants to share them equally among 4 friends. How many pineapples will each friend get, and how many will be left over as a remainder? (3 marks)

5. Max sells a bunch of coconuts for £96. If he sells 8 identical bunches, what is the cost of one bunch of coconuts? (2 marks)

Draw: Draw an array of 24 oranges shared into 3 equal groups to show your division calculation.



Extension challenge: Max has 96 berries. He wants to share them between 3, 4, or 6 friends. Which of these numbers will allow him to share the berries perfectly with no remainder? Explain your reasoning.