

Max's Division Adventure

Learning objective: To recall and use division facts for the 3, 4, 6, 8, and 12 multiplication tables and solve problems involving division.

Help Max the monkey solve his jungle puzzles! Remember to show your working out clearly.

Max the monkey is organising his jungle treasure for a picnic. He has gathered 48 shiny mangoes, 32 colourful pebbles, and 24 golden sunflower seeds. Max wants to share his treasure equally among his friends so everyone has the same amount. He needs to use his division skills to make sure no one is left out!

Word bank: quotient · remainder · dividend · divisor · shared equally

1. Max shares his 48 mangoes equally between 4 friends. How many mangoes does each friend receive? (2 marks)

2. Max has 32 pebbles. He wants to put them into piles of 8. How many piles will he make? (2 marks)

3. If Max has 24 sunflower seeds and shares them among 6 friends, how many seeds does each friend get? (2 marks)

4. Max finds 35 shiny berries. He wants to share them equally between 8 friends. How many berries will each friend get, and how many will be left over as a remainder? (3 marks)

5. Max buys a bag of 60 nuts for £5. If he divides the total cost by 10 to see how much 6 nuts cost, what is the answer? (2 marks)

Draw: Draw Max the monkey sharing 12 bananas equally between 3 of his friends. Show the bananas in groups.



Extension challenge: Max has 72 coconuts. He wants to put them into boxes that hold 8 coconuts each. How many boxes does he need? If each box costs £3 to decorate, what is the total cost to decorate all the boxes he needs?