

Max's Marvellous Division Adventure

Learning objective: To solve division problems involving multi-digit numbers by one-digit and two-digit numbers, including remainders and interpreting them in context.

Max the monkey is organising a jungle banquet! Use your knowledge of division to help him calculate how to share his supplies fairly. Use the space provided to show your written methods, such as short division (bus stop method) or long division, and remember to include your working out.

Word bank: quotient · remainder · dividend · divisor · shared equally · partitioning · bus stop method

1. Max has 432 shiny pebbles to share equally between 8 monkey friends. How many pebbles does each friend receive? (2 marks)

2. A crate contains 675 bananas. If each bunch must contain 15 bananas, how many complete bunches can Max make? (2 marks)

3. Max has £850 to spend on party decorations. If each pack of balloons costs £24, how many full packs can he buy and how much money will be left over? (3 marks)

4. Explain in your own words why it is important to check if your remainder is smaller than your divisor. (2 marks)

5. Max finds a box of 1,248 mangoes. If he shares them equally into 12 boxes, how many mangoes will be in each box? Show your calculation. (2 marks)

Extension challenge: Create your own division word problem for a friend involving a 4-digit number divided by a 2-digit number. Write the problem and provide the answer key on the back of your sheet.