

Max's Market Maths: Mastering Division

Learning objective: To recall and use division facts for the 3, 4, 6, 8, 11 and 12 multiplication tables and solve problems involving division with remainders.

Max the monkey is helping his friends at the community market. Read each problem carefully, show your working out, and remember to include the correct currency symbol where needed.

Max is organising the market stalls. He has 84 apples to pack into bags of 6. He also has a jar of 95 shiny marbles to share equally between 8 children. Help Max ensure everyone gets a fair share!

Word bank: quotient · remainder · dividend · divisor · equal groups · partition

1. Max has 84 apples. If he packs them into bags of 6, how many full bags will he have? Show your calculation. (2 marks)

2. Max shares 95 marbles equally between 8 children. How many marbles does each child receive, and how many marbles are left over as a remainder? (2 marks)

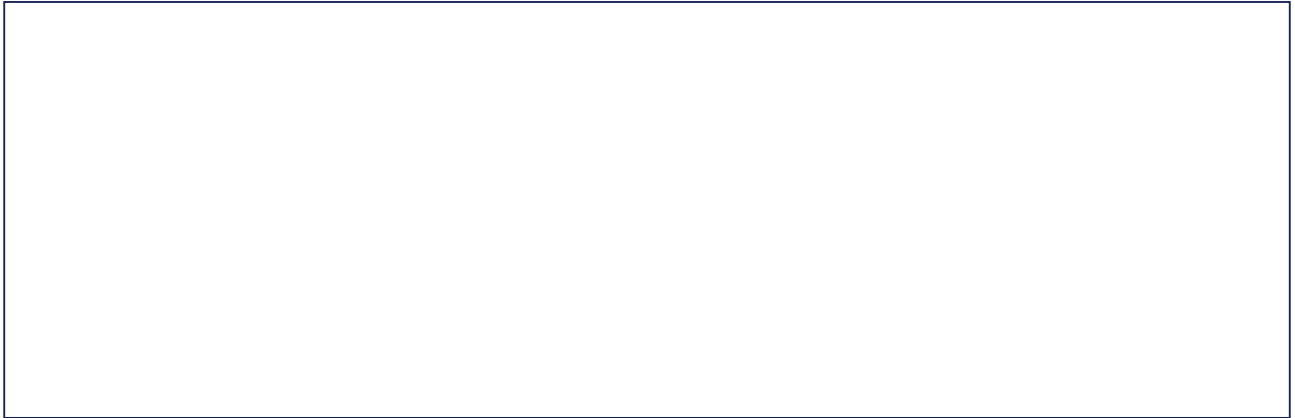
3. A box of craft supplies costs £48. If 4 friends decide to split the cost equally, how much does each friend pay? (2 marks)

4. Explain why the remainder in a division calculation must always be smaller than the divisor. Provide an example to justify your answer. (3 marks)

5. Compare and contrast dividing 72 by 6 and dividing 72 by 8. Why is the quotient different? (3 marks)

6. Max has a basket of 100 strawberries. He wants to divide them into bags of 9. Justify why he will have 1 left over. (2 marks)

Draw: Draw a basket of 20 oranges being shared equally into 4 colourful net bags, showing the correct number of oranges in each bag.



Extension challenge: Imagine you are the market manager. Create your own multi-step division word problem involving a total of £144 and at least 9 people. Write the problem and provide the solution for a partner to solve.