

Max's Magnificent Division Challenge

Learning objective: To solve division problems involving multi-digit numbers, including remainders and division by two-digit numbers, in line with Year 6 expectations.

Help Max the monkey solve these division puzzles. Read each question carefully, show your working out, and select or write the correct answer.

Answer Key: 1. C (24); 2. True; 3. 18; 4. B (12 r 2); 5. False (the remainder is 1); 6. 13; 7. D (450); 8. True; 9. 32; 10. A (31).

Word bank: dividend · divisor · quotient · remainder · partitioning

1. **1. Max has 144 bananas to share equally among 6 monkeys. How many bananas does each monkey get? A) 26 B) 22 C) 24* D) 28 (1 mark)**

2. **2. True or False: When you divide a number by 1, the quotient is the same as the original number. (1 mark)**

3. **3. Calculate: $306 \div 17 = ?$ (1 mark)**

4. **4. What is $74 \div 6$? A) 12 r 1 B) 12 r 2* C) 13 r 1 D) 11 r 3 (1 mark)**

5. **5. True or False: $49 \div 8$ leaves a remainder of 2. (1 mark)**

6. **6. A local baker sells boxes of biscuits for £13 each. If the baker earns £169, how many boxes were sold? (1 mark)**

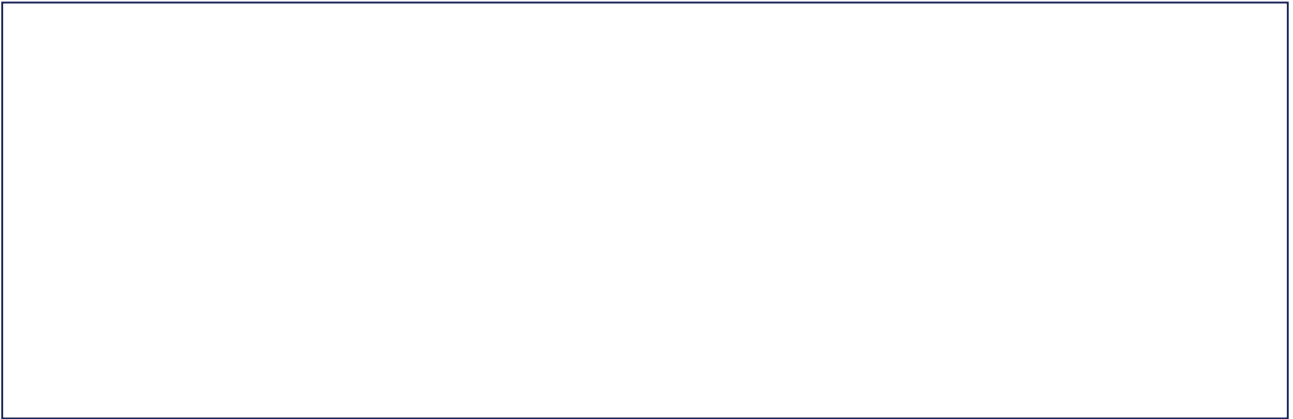
7. **7. Calculate $3600 \div 8$. A) 400 B) 420 C) 480 D) 450* (1 mark)**

8. **8. True or False: You cannot divide a number by zero. (1 mark)**

9. **9. Max has £800 to share among 25 friends. How much money does each friend receive? (1 mark)**

10. **10. What is $558 \div 18$? A) 31* B) 32 C) 29 D) 30 (1 mark)**

Draw: Draw Max the monkey sitting under a tree, sharing a pile of neatly divided fruit among his friends.



Extension challenge: Max has £100. He wants to buy as many notebooks as possible. Each notebook costs £7. How many notebooks can he buy, and how much money will he have left over?