

Max the Monkey's Long Division Challenge

Learning objective: To accurately divide numbers up to four digits by a one-digit number using the formal written method of long division.

Max the Monkey loves turning big numbers into little ones! Use your knowledge of the bus stop method or long division to solve these puzzles. Show your working out clearly.

Answer Key: 1. A, 2. B, 3. True, 4. 124, 5. False, 6. 106, 7. C, 8. 15, 9. False, 10. 122. Teaching Note: Remind students to check their remainders are always smaller than the divisor.

Word bank: Dividend · Divisor · Quotient · Remainder · Bus stop method · Place value

1. 1. Max has 484 bananas to share between 4 monkeys. What is the dividend in this calculation? A) 484* B) 4 C) 121 D) 1 (1 mark)

2. 2. Calculate $639 \div 3$. A) 203 B) 213* C) 231 D) 219 (1 mark)

3. 3. True or False: When dividing 562 by 5, there will be a remainder of 2. (True/False) (1 mark)

4. 4. If you divide 744 by 6, what is the quotient? (1 mark)

5. 5. True or False: You can divide a number by zero to get a total of zero. (True/False) (1 mark)

6. 6. Max finds £954 in a tree. He shares it equally among 9 squirrels. How much does each squirrel get? (1 mark)

7. 7. What is $848 \div 8$? A) 101 B) 16 C) 106* D) 116 (1 mark)

8. 8. Divide 90 by 6. What is the answer? (1 mark)

9. 9. True or False: The remainder must always be larger than the divisor. (True/False) (1 mark)

10. 10. Calculate $366 \div 3$. (1 mark)

Draw: Draw Max the Monkey sitting on a tree branch holding a sign that says 'Division is Fun!' with three piles of bananas underneath him to show equal sharing.



Extension challenge: Max has £1,245 to share between 5 friends. How much does each friend receive? Write your calculation out using the formal long division method, ensuring you show your place value columns.