

Max the Monkey's Division Dash

Learning objective: To solve division problems involving 4-digit numbers by 1-digit numbers, including remainders, and applying division skills to real-world money problems.

Help Max the Monkey solve these math puzzles! Read each question carefully, show your working out, and remember to include the £ sign for money questions.

Answer Key: 1. B (120), 2. True, 3. 4, 4. C (£25), 5. False, 6. 125, 7. 8, 8. B (102 r 1), 9. True, 10. 150.

Explanation: When dividing money, ensure the decimal point stays in the correct place. Remember that a remainder is simply what is left over when a number cannot be divided equally.

Word bank: Quotient · Remainder · Dividend · Divisor · Partitioning

1. Max has 480 bananas to share equally between 4 groups. How many bananas does each group get? A) 100, B) 120*, C) 140, D) 160 (1 mark)

2. True or False: The number you are dividing is called the dividend. (1 mark)

3. Calculate $32 \div 8$. What is the quotient? (1 mark)

4. If four friends share a total of £100 equally, how much does each person receive? A) £20, B) £22, C) £25*, D) £30 (1 mark)

5. True or False: When you divide 15 by 2, the remainder is 0. (1 mark)

6. A shopkeeper has 500 stickers to put into 4 boxes equally. How many stickers go in each box? (1 mark)

7. What is $72 \div 9$? (1 mark)

8. Which is the correct answer for $409 \div 4$? A) 101 r 2, B) 102 r 1*, C) 100 r 9, D) 102 r 2 (1 mark)

9. True or False: Division is the inverse operation of multiplication. (1 mark)

10. Max divides £450 by 3. How much is each share? (1 mark)

Draw: Draw Max the Monkey sitting in a tree, holding a large sign that says 'Division is Fun!' with groups of bananas drawn around him to show his calculations.



Extension challenge: Max has £1,250 to buy supplies for the jungle school. If he buys 5 identical kits, how much does each kit cost? Explain your method using partitioning.