

Max's Multiplication Marathon

Learning objective: To multiply numbers up to 4 digits by a 1-digit or 2-digit number using formal written layout, and to solve multi-step problems involving multiplication.

Join Max the Monkey as he solves these jungle puzzles! Use your formal written methods to show your working out. Remember to use placeholders when multiplying by tens.

Answer Key: 1) C (1,248), 2) True, 3) 4,800, 4) B (3,906), 5) False, 6) 7,500, 7) A (1,848), 8) True, 9) 11,250, 10) 840. Teacher Note: Ensure children show the carry-over digits clearly.

Word bank: Product · Multiple · Formal method · Place value · Regrouping · Calculation

1. Max has 4 crates of bananas. Each crate holds 312 bananas. How many bananas does he have in total? A) 1,208 B) 1,244 C) 1,248* D) 1,288 (1 mark)

2. True or False: 45×20 is the same as $45 \times 2 \times 10$. (1 mark)

3. What is the product of 80 and 60? (1 mark)

4. Calculate 93×42 . A) 3,806 B) 3,906* C) 3,996 D) 4,006 (1 mark)

5. True or False: When multiplying a 4-digit number by a 1-digit number, you should always start from the thousands column. (1 mark)

6. If a farmer sells 250 bags of grain for £30 each, how much money does he make in total? (1 mark)

7. Which calculation gives the answer 1,848? A) 44×42 * B) 42×40 C) 46×38 D) 48×40 (1 mark)

8. True or False: The product of 0 and 5,678 is 0. (1 mark)

9. A school orders 75 boxes of pencils. Each box costs £150. What is the total cost? (1 mark)

10. Max finds 12 piles of stones. Each pile has 70 stones. How many stones are there altogether? (1 mark)

Draw: Draw Max the Monkey sitting under a tree, surrounded by piles of fruit that represent a multiplication equation of your choice (e.g., 3 groups of 4 mangoes).



Extension challenge: Max wants to buy new climbing ropes that cost £12 each. If he needs 15 ropes for his friends, and he has £200, does he have enough money? Explain your reasoning using a multiplication calculation.