Max’s Festive Festive Maths Challenge

Learning objective: To apply Class 5 mathematical skills including multiplication, division, fractions, and money calculations within a Christmas-themed context.

Help Max the monkey solve these festive puzzles! Read each question carefully, show your working out, and write your final answer clearly.

Answer Key: 1. B (144) | 2. False | 3. 50p | 4. C (£12.50) | 5. True | 6. 36 | 7. A (1/4) | 8. 4 | 9. True | 10. 15

Word bank: multiplication · remainder · fraction · decimal · total · equation

1. 1. Max is wrapping 12 presents. Each present needs 12 metres of ribbon. How many metres of ribbon does he need in total? A) 120 B) 144* C) 132 D) 154 (1 mark)

2. 2. True or False: If you divide 50 mince pies between 6 friends, each friend gets 9 pies with no remainder. (1 mark)

3. 3. A box of 10 candy canes costs £5.00. How much does one single candy cane cost in pence? (1 mark)

4. 4. Zara buys 5 rolls of glittery paper at £2.50 each. What is the total cost? A) £10.00 B) £15.00 C) £12.50* D) £7.50 (1 mark)

5. 5. True or False: 0.5 is equivalent to 1/2 of a Christmas pudding. (1 mark)

6. 6. Leo the Lion has 72 baubles. He puts half of them on the tree. How many baubles are on the tree? (1 mark)

7. 7. Pip the caterpillar has 20 holly berries. He eats 5 of them. What fraction of the berries did he eat? A) 1/4* B) 1/5 C) 1/2 D) 3/4 (1 mark)

8. 8. If one stocking can hold 8 gold chocolate coins, how many stockings do you need to hold 32 coins? (1 mark)

9. 9. True or False: 1.5kg of flour is the same as 1500g of flour. (1 mark)

10. 10. There are 45 decorations. If they are shared equally into 3 boxes, how many decorations go in each box? (1 mark)

Draw: Draw a picture of Max the monkey decorating a Christmas tree with exactly 12 star-shaped ornaments and 8 circular baubles.

Extension challenge: Imagine you have a budget of £20.00 to buy festive decorations. Create a shopping list with at least four items, including their individual prices, and calculate your total spend and the change you would receive.