Max’s Christmas Maths Challenge

Learning objective: To use addition, subtraction, multiplication, and division to solve festive problems.

Read each question carefully. Use the word bank to help you. Write your answers in the spaces provided. You can use the empty space for your working out.

Max the monkey is helping Santa’s elves get ready for Christmas. He needs to count the gifts, sort the decorations, and work out the prices for the village shop.

Word bank: total · sum · multiply · divide · change · pounds · pence · altogether

1. Max has 15 baubles. He puts them into 3 boxes. How many baubles are in each box? (Show your working: 15 ÷ 3 = ?) (2 marks)

2. A candy cane costs 50p. Max buys 4 candy canes. How much do they cost altogether? (3 marks)

3. Max has £10.00. He spends £6.50 on a gift for his friend. How much change does Max have left? (4 marks)

4. The elves have 24 stars. They want to put 6 stars on each Christmas tree. How many trees do they decorate? (3 marks)

5. Max sees 8 toy trains. Each train has 4 wheels. How many wheels are there in total? (3 marks)

6. Max wants to buy a hat for £5.00, a scarf for £3.00, and a book for £4.00. Write a short story or calculation explaining if he has enough money if he has a £10.00 note and a £5.00 note. Show your total sum. (5 marks)

7. If Max finds 12 pinecones and divides them by 2, how many pinecones does he have? (2 marks)

8. Write the calculation for 3 groups of 9 toys. (3 marks)

Draw: Draw a Christmas tree and decorate it with 12 baubles. Group them into 3 equal rows.

Extension challenge: Total: /25