Year 4 · Algebra: Balancing Number Sentences and Growing Patterns

Name: _____ Date: _____

Hi there! This sheet helps you practise checking if number sentences are true, filling in the missing numbers, and spotting how patterns grow. Take your time and show your working!

Warm-up

1. True or false? 6 × 4 = 24

2. Fill in the box: 30 + ☐ = 50

3. True or false? 15 − 8 = 6

4. Continue this pattern: 4, 8, 12, 16, ☐

Practice

5. True or false? 9 × 7 = 63

6. Fill in the box: ☐ ÷ 5 = 8

7. Fill in the box to keep the balance: 350 − ☐ = 200

8. Describe this growing pattern and write the next two numbers: 3, 6, 12, 24, ☐, ☐

9. Mele is saving koha for a school trip. She starts with $5 and adds $3 each week. How much has she saved after week 1, week 2, week 3 and week 4?

10. At the Avondale market, apples come in bags of 6. Sione buys 4 bags. Write a multiplication sentence and work out how many apples he has.

Challenge

11. Find the missing number that keeps both sides equal: 7 × 6 = ☐ + 12

12. A pattern starts at 2 and each number is double the one before: 2, 4, 8, 16, … What is the 6th number in the pattern?