Year 6 Number properties and calculations topic test

Name: _____ Date: _____

12 questions | 25 marks | 30 minutes

A hand-solvable review that progresses from familiar skills to explanation and practical problems.

No calculator needed.

1. List all factors of 16. [2 marks]

2. Is 23 prime or composite? [1 mark]

3. Write the next two square numbers after 36. [2 marks]

4. Explain why 35 is composite. [2 marks]

5. Write the first four positive multiples of 12. [2 marks]

6. Find the greatest common factor of 24 and 36. [2 marks]

7. Find the smallest positive common multiple of 6 and 8. [2 marks]

8. Calculate 699+458 using compensation. [2 marks]

9. Calculate 25×36 efficiently. [2 marks]

10. Estimate 79×21, then calculate exactly. [3 marks]

11. Pack 48 pencils and 60 erasers into the greatest possible number of identical bags, using all items. How many bags and what is in each? [3 marks]

12. Is every prime number odd? Explain with an example. [2 marks]