Year 6 · Number: Big Numbers, Squares & Negatives

Name: _____ Date: _____

Hi! This sheet gives you a good workout with place value, rounding, factors, square and cube numbers, and negative numbers. Take your time and show your thinking, a number line can really help!

Warm-up

1. Round 47,382 to the nearest thousand.

2. What is 9^2 (nine squared)?

3. Start at −3 and count backwards in 2s. Write the next three numbers.

4. Write '60,000 + 4,000 + 200 + 7' as a single numeral.

Practice

5. Order these numbers from smallest to largest: 8,540; 8,405; 8,054; 8,450.

6. Find all the factor pairs of 36.

7. Round 3.47 to the nearest tenth, and then round 3.47 to the nearest whole number.

8. One winter morning in Ohakune the temperature was −4°C at 6am. By midday it had risen 9°C. What was the temperature at midday?

9. Mere has $120 in her bank account. She pays a $185 power bill using the account. What will her balance be?

10. What is 4^3 (four cubed)? Show what 'cubed' means.

Challenge

11. Round 6,748,205 to the nearest million, and then to the nearest hundred thousand.

12. Find a number that is both a square number and a cube number, and is between 2 and 100. Show why it works.