Year 6 · Number: Fractions, Decimals & Percentages

Name: _____ Date: _____

Kia ora! This sheet gives you a workout on fractions, decimals and percentages, writing them, comparing them, and using them to solve real problems. Take your time and show your thinking.

Warm-up

1. Write 7/1000 as a decimal.

2. Write 0.4 as a fraction and as a percentage.

3. Simplify the fraction 6/8 to its lowest terms.

4. Work out 2.5 × 100.

Practice

5. Order these decimals from smallest to largest: 0.7, 0.07, 0.77, 0.707

6. Convert the improper fraction 17/5 to a mixed number.

7. Work out 3/4 + 5/8.

8. At the Avondale Sunday market, a stall starts with 180 apples. During the morning 2/3 of the apples are sold. How many apples are sold?

9. Mere is making a bracelet. She has finished 3/4 of the beads, which is 90 beads. How many beads will the whole bracelet have?

10. Work out 5.6 − 2.375.

Challenge

11. In Room 12, 3/5 of the 25 students walk to school. In Room 13, 60% of the 30 students walk to school. Which room has more students who walk, and by how many?

12. A school fundraiser has a goal. So far 20% of the goal has been raised, which is $84. What is the full goal (100%), and how much is 75% of the goal?