Grade 4 · Unit 4 Worksheet

From Hundredths to Hundred-Thousands

Name: _____ Date: _____

Part A · Decimals and Fractions

1. Write each as a decimal AND as a fraction.

Seven tenths: decimal _____, fraction _____

Thirty-two hundredths: decimal _____, fraction _____

1 and 5 tenths: decimal _____, fraction _____

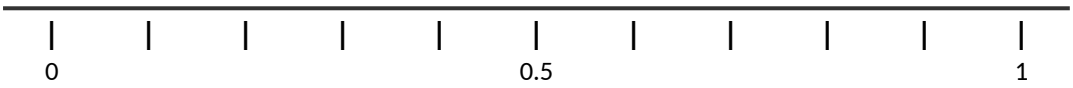
0.08 in words: _____, fraction _____

2. Are 0.4 and 0.40 equivalent? Explain WHY or WHY NOT, using a diagram or place value.

Part B · Decimals on a Number Line

3. On the number line below (0 to 1), draw an arrow to 0.3 and an arrow to 0.65.

Which is closer to 0.5? _____. Why?



4. Order from LEAST to GREATEST: 0.5, 0.05, 0.55, 0.5, 0.50

Some may be equal. Order:

Part C · Place Value Through 1,000,000

5. Write each number in EXPANDED form and in WORDS.

47,396 in expanded form: _____

47,396 in words: _____

203,058 in expanded form: _____

203,058 in words: _____

6. In the number 472,196, what is the VALUE of each digit?

The 4 has a value of _____

The 7 has a value of _____

The 2 has a value of _____

The 1 has a value of _____

7. Sam wrote: "In 3,300, the 3 on the left is the SAME as the 3 in the middle." Is that right? Explain.

Part D · Compare, Order, and Round

8. Compare using <, >, or =.

48,932 _____ 48,923

501,000 _____ 51,000

0.7 _____ 0.70

0.4 _____ 0.39

9. Round 47,851 to:

The nearest 10: _____

The nearest 100: _____

The nearest 1,000: _____

The nearest 10,000: _____

Part E · Add and Subtract Large Numbers

10. Use the standard algorithm.

23,456 + 78,549 = _____

400,000 − 47,538 = _____

Show your work for the subtraction:

11. Diego subtracted 5,003 − 1,847. He got 3,156. WITHOUT redoing the subtraction, ESTIMATE to check whether 3,156 is reasonable. Explain.

Part F · Thinking Deeply

12. The 3 in 30 is worth TEN TIMES the 3 in 3. The 3 in 300 is TEN TIMES the 3 in 30. Why is this 'ten times' relationship true for every place? Explain in your own words.
