ALBERT

Name _____ Date _____

Comparing Decimals Worksheet

Grade 5 · Common Core 5.NBT.A.3b

> Compare two decimals to thousandths based on meanings of the digits in each place, using >, =, and < symbols to record the results of comparisons.

Practice

Builds the skill step by step.

1. Which number is greater, 0.6 or 0.58?

2. Which comparison is true?

   A. 0.7 > 0.69

   B. 0.7 < 0.69

   C. 0.7 = 0.69

   D. 0.69 > 0.7

3. Which number is less, 3.25 or 3.52?

4. Which number is greater, 0.45 or 0.405?

5. Order from least to greatest: 0.3, 0.33, 0.303

6. Which number is equal to 0.5?

   A. 0.05

   B. 0.005

   C. 0.50

   D. 5.0

7. Which number is greater, 2.09 or 2.1?

8. Which number is less, 0.818 or 0.881?

9. Which number is greater than 1.25?

   A. 1.205

   B. 1.09

   C. 1.3

   D. 1.2

10. Order from greatest to least: 4.5, 4.05, 4.55

ALBERT

Name _____ Date _____

Comparing Decimals Worksheet

Grade 5 · Common Core 5.NBT.A.3b

On Level

Grade-level practice.

1. Which number is greater, 7.089 or 7.098?

2. Order from least to greatest: 0.42, 0.402, 0.24, 0.044

3. Which comparison is true?

   A. 3.400 > 3.4

   B. 3.04 = 3.4

   C. 3.4 < 3.04

   D. 3.400 = 3.4

4. Three runners' times are 12.35 seconds, 12.53 seconds and 12.305 seconds. What is the fastest (least) time?

5. Jo says 0.125 > 0.2 because 125 > 2. What is correct?

   A. Jo is correct.

   B. 0.2 is greater, because 2 tenths is more than 1 tenth.

   C. They are equal.

   D. 0.125 is greater, because it has more digits.

6. Which number is greater, 9.9 or 9.899?

7. Order from greatest to least: 5.063, 5.36, 5.306, 5.6

8. Which number is between 0.7 and 0.8?

   A. 0.075

   B. 0.85

   C. 0.75

   D. 0.07

9. Two bags of flour have masses of 2.75 kilograms and 2.705 kilograms. What is the mass of the heavier bag?

10. Which is the greatest: 0.909, 0.99, 0.9, 0.099?

Comparing Decimals Worksheet

Grade 5 · Common Core 5.NBT.A.3b

Challenge

Multi-step and word problems that stretch it.

1. What is the greatest digit that can go in the blank so that $4.6_2 < 4.658$ is true?

2. Find the number with three decimal places that is between 0.35 and 0.36 and has a 7 in the thousandths place.

3. Order from least to greatest: 1.01, 1.1, 1.001, 1.011

4. Which list is in order from least to greatest?

   A. 0.6, 0.06, 0.66, 6

   B. 6, 0.66, 0.6, 0.06

   C. 0.06, 0.66, 0.6, 6

   D. 0.06, 0.6, 0.66, 6

5. How many of these numbers are greater than 0.5? 0.49, 0.5, 0.501, 0.05, 0.51

6. Which pair of numbers are equal?

   A. 2.03 and 2.3

   B. 2.30 and 2.3

   C. 0.023 and 0.23

   D. 2.300 and 2.003

7. Use the digits 2, 7 and 4, each once, after the decimal point in 0.___. What is the greatest decimal you can make?

8. Three rocks have masses of 1.205 kilograms, 1.25 kilograms and 1.025 kilograms. What is the mass of the heaviest rock?

9. Sam says 3.5 < 3.45 because 3.45 has more digits. What is correct?

   A. Sam is correct.

   B. 3.5 = 3.45

   C. 3.5 > 3.45, because 5 tenths is more than 4 tenths.

   D. 3.45 > 3.5, because 45 > 5.

10. What is the least number with three decimal places that is greater than 0.99?