Comparing and Ordering Decimals

NAME:

Math PATHWAYS & PITFALLS

Purpose

To use benchmarks and equivalent decimals to compare and order decimal amounts

Math Words

least to greatest	The numbers 3, 10, and 45 are in order from least to greatest.
benchmark	Numbers such as 1.0, 1.25, 1.5, and 1.75 are helpful benchmarks when comparing decimal numbers.
between	2.55 is between 2.5 and 2.6 because it is greater than 2.5 and less than 2.6.

Starter Problem

Put the following decimals in order from least to greatest.

Think about the meaning.

0.519 1.3 0.4

NAME:

Starter Problem

Put the following decimals in order from least to greatest. Think about the meaning.

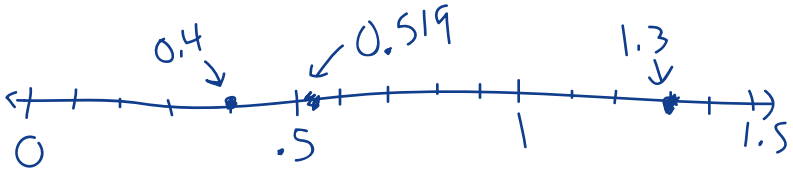
0.519 1.3 0.4

Student Thinking

Kimiko

I drew a number line. I know 519 thousandths is a little more than a half. 4 tenths is equal to 400 thousandths, so it's less than 519 thousandths. 1.3 is greatest because it's more than 1. From least to greatest it's: 0.4, 0.519, 1.3.

OK



Thomas

I just looked at the numbers. Point 4 is the least. Then 13 comes next, and 519 is the greatest. So from least to greatest it's point 4, 1 point 3, and point 519.

Pitfall

0.4 1.3 0.519

Things to Remember

*

*

STOP

Comparing and Ordering Decimals

NAME:

Our Turn

Write the following decimal amounts in order from least to greatest.
You may draw a number line to help.

1. 0.479 0.48 0.47

_____ _____ _____

2. 0.32 0.3 0.316

_____ _____ _____

3. .24 2.4 .024

_____ _____ _____

NAME:

My Turn

Write the following decimal amounts in order from least to greatest.
You may draw a number line to help.

1. 9.01 .9 0.096

_____ _____ _____

2. 0.56 0.57 0.563

_____ _____ _____

3. 0.65 6.5 0. 065

_____ _____ _____

Comparing and Ordering Decimals

NAME:

Multiple Choice Mini Lesson

Fill in the circle next to the answer you choose.

1. Put the numbers in order from **greatest** to least: 0.89, 1.1, 0.925

○ 0.925, 0.89, 1.1 ○ 1.1, 0.925, 0.89 ○ 1.1, 0.89, 0.925

2. Put the numbers in order from **least** to greatest: 0.7, 0.6, 0.69

○ 0.6, 0.7, 0.69 ○ 0.69, 0.6, 0.7 ○ 0.6, 0.69, 0.7

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Comparing and Ordering Decimals

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Multiple Choice Mini Lesson

Fill in the circle next to the answer you choose.

1. Put the numbers in order from **greatest** to least: 0.89, 1.1, 0.925

○ 0.925, 0.89, 1.1 ○ 1.1, 0.925, 0.89 ○ 1.1, 0.89, 0.925

2. Put the numbers in order from **least** to greatest: 0.7, 0.6, 0.69

○ 0.6, 0.7, 0.69 ○ 0.69, 0.6, 0.7 ○ 0.6, 0.69, 0.7

NAME:

Writing Task Mini Lesson

Sometimes a one-digit decimal number is greater than a two-digit decimal number. Explain how you know that 0.4 is greater than 0.29.

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NAME:

Writing Task Mini Lesson

Sometimes a one-digit decimal number is greater than a two-digit decimal number. Explain how you know that 0.4 is greater than 0.29.