



Reading and comparing decimals

GRADE 5 MATH

Name _____

Date _____

For every comparison, name the leftmost place where the two numbers differ.

WORKED EXAMPLE

Each digit names a place. Compare the leftmost differing place, or count both in the same-sized pieces. Zeros after the digits change nothing; zeros before them move everything.

1. Write $<$, $>$ or $=$: 0.6 ___ 0.59

FLUENCY

Show your thinking

Answer

2. Write $<$, $>$ or $=$: 0.125 ___ 0.2

FLUENCY

Show your thinking

Answer

3. Write $<$, $>$ or $=$: 0.70 ___ 0.7

FLUENCY

Show your thinking

Answer

4. Write in figures: three hundred six thousandths.

FLUENCY

Show your thinking

Answer

5. Write in figures: four tenths and two thousandths.

FLUENCY

Show your thinking

Answer

6. Write 3.024 in words.

APPLICATION

Show your thinking

Answer

7. Write 3.024 in expanded form.

APPLICATION

Show your thinking

Answer

8. Order smallest first: 0.8, 0.08, 0.808, 0.088.

APPLICATION

Show your thinking

Answer

9. 0.62 is greater than 0.5, and comparing the tails as whole numbers gives the same answer. Explain why that does not make the tail rule correct. **REASONING**

Show your thinking

Answer

10. Why is 0.406 not the same as 0.46? Say what the 0 is doing. **REASONING**

Show your thinking

Answer

11. Sam reads 206.7 aloud as “two hundred and six point seven”, then writes it as 200.67. What has gone wrong? **REASONING**

Show your thinking

Answer

12. Write a decimal between 0.4 and 0.5.

APPLICATION

Show your thinking

Answer

13. Write a decimal between 0.45 and 0.46.

APPLICATION

Show your thinking

Answer

14. Why is comparing decimals harder than comparing fractions like $\frac{1}{3}$ and $\frac{1}{4}$?

REASONING

Show your thinking

Answer