



Reading and comparing decimals

GRADE 5 MATH

Name _____

Date _____

Name the place value of each digit before you compare. One skill: **reading and comparing decimals**.

WORKED EXAMPLE

The digits after the point are **not** a whole number — each one names a place. To compare, look at the **leftmost place where the two differ**: 0.45 and 0.7 both have 0 ones, and in the tenths 7 beats 4, so 0.7 is greater and the hundredths never matter. Or give them the **same-sized pieces** — 0.450 against 0.700 — which is the same move as a common denominator. A zero **after** the digits changes nothing ($0.5 = 0.50 = 0.500$); a zero **before** them changes everything (0.05 is a tenth of 0.5). Reading aloud, “**and**” marks the point.

1. Write $<$, $>$ or $=$ between each pair: 0.45 ___ 0.7 0.3 ___ 0.28 0.5 ___ 0.50

FLUENCY

Show your thinking

Answer

2. Order these smallest first: 0.4, 0.125, 0.35, 0.09. Then write 0.406 in words.

APPLICATION

Show your thinking

Answer

3. Nia says 0.45 is greater than 0.7, because 45 is greater than 7. Her reason about 45 and 7 is correct. Explain why her conclusion is still wrong.

REASONING

Show your thinking

Answer

4. Is 0.5 the same as 0.50? Is it the same as 0.05? Explain both answers using place value.

REASONING

Show your thinking

Answer