



Comparing and Ordering Decimals

Name: _____

Date: _____

Grade: Grade 5

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: *0.45 is greater than 0.52 because 45 is bigger than 52 when you ignore the point.*

Rewrite: _____

2. Fix the sentence: *Since 0.30 has more digits than 0.3, the decimal 0.30 is bigger.*

Rewrite: _____

3. Fix the sentence: *0.61 is less than 0.6 because 0.61 has more decimal places.*

Rewrite: _____

Part B: Fill in the Blank

Write the missing word or number on each line.

1. Compare using $>$, $<$, or $=$: 0.27 _____ 0.31 .

2. Compare using $>$, $<$, or $=$: 0.84 _____ 0.48 .

3. Compare using $>$, $<$, or $=$: 0.50 _____ 0.5 .

4. Compare using $>$, $<$, or $=$: 0.73 _____ 0.70 .

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Describe the Grade 5 left-to-right strategy for comparing 0.62 and 0.69.

2. Why does annexing a zero help when comparing 0.4 and 0.36?

Answer Key · Comparing and Ordering Decimals · Grade: Grade 5

Part A: Fix the Sentence

Each sentence has an error. Rewrite it correctly on the line.

1. Fix the sentence: *0.45 is greater than 0.52 because 45 is bigger than 52 when you ignore the point.*

Rewrite: **0.45 is less than 0.52 because 4 tenths is less than 5 tenths.**

2. Fix the sentence: *Since 0.30 has more digits than 0.3, the decimal 0.30 is bigger.*

Rewrite: **Since 0.30 has the same value as 0.3, the decimals are equal.**

3. Fix the sentence: *0.61 is less than 0.6 because 0.61 has more decimal places.*

Rewrite: **0.61 is greater than 0.6 because $0.61 = 0.60 + 0.01$.**

Part B: Fill in the Blank

Write the missing word or number on each line.

1. Compare using $>$, $<$, or $=$: 0.27 $<$ 0.31 .

2. Compare using $>$, $<$, or $=$: 0.84 $>$ 0.48 .

3. Compare using $>$, $<$, or $=$: 0.50 $=$ 0.5 .

4. Compare using $>$, $<$, or $=$: 0.73 $>$ 0.70 .

Part C: Short Answer

Answer each question in one or two complete sentences.

1. Describe the Grade 5 left-to-right strategy for comparing 0.62 and 0.69.

I start at the largest place value, the tenths. Both decimals have 6 tenths, so they are tied. I move right to the hundredths and see 2 hundredths versus 9 hundredths. Since 9 hundredths is greater, $0.69 > 0.62$.

2. Why does annexing a zero help when comparing 0.4 and 0.36?

I rewrite 0.4 as 0.40 so both decimals show tenths and hundredths. Now I can see 0.40 has 4 tenths while 0.36 has 3 tenths, so $0.40 > 0.36$ and therefore $0.4 > 0.36$.
