



# 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:  $0.4$  is greater than  $0.7$  because 4 comes before 7.

Rewrite: \_\_\_\_\_

2. Fix the sentence: On a number line  $0.3$  sits to the right of  $0.8$ .

Rewrite: \_\_\_\_\_

3. Fix the sentence: The symbol  $0.5 < 0.5$  shows the two decimals are equal.

Rewrite: \_\_\_\_\_

## Part B: Fill in the Blank

Write the missing word or number on each line.

1. Compare using  $>$ ,  $<$ , or  $=$ :  $0.6$  \_\_\_\_\_  $0.2$ .

2. Compare using  $>$ ,  $<$ , or  $=$ :  $0.3$  \_\_\_\_\_  $0.9$ .

3. Compare using  $>$ ,  $<$ , or  $=$ :  $0.7$  \_\_\_\_\_  $0.7$ .

4. On a number line from 0 to 1, the decimal that lies to the right of  $0.5$  is 0 \_\_\_\_\_.

## Part C: Short Answer

Answer each question in one or two complete sentences.

1. Explain how a Grade 5 student can use a number line to decide whether  $0.4$  or  $0.7$  is greater.

\_\_\_\_\_  
\_\_\_\_\_

2. Why is  $0.5$  equal to  $0.50$ ? Use Grade 5 place value language.

\_\_\_\_\_  
\_\_\_\_\_

### Part A: Fix the Sentence

---

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

1. Fix the sentence:  $0.4$  is greater than  $0.7$  because 4 comes before 7.

Rewrite:  $0.4$  is less than  $0.7$  because 4 tenths is fewer than 7 tenths.

---

2. Fix the sentence: On a number line  $0.3$  sits to the right of  $0.8$ .

Rewrite: On a number line  $0.3$  sits to the left of  $0.8$ .

---

3. Fix the sentence: The symbol  $0.5 < 0.5$  shows the two decimals are equal.

Rewrite: The symbol  $0.5 = 0.5$  shows the two decimals are equal.

---

### Part B: Fill in the Blank

---

Write the missing word or number on each line.

- Compare using  $>$ ,  $<$ , or  $=$ :  $0.6$   $>$   $0.2$ .
- Compare using  $>$ ,  $<$ , or  $=$ :  $0.3$   $<$   $0.9$ .
- Compare using  $>$ ,  $<$ , or  $=$ :  $0.7$   $=$   $0.7$ .
- On a number line from 0 to 1, the decimal that lies to the right of  $0.5$  is  $0.8$ .

### Part C: Short Answer

---

Answer each question in one or two complete sentences.

1. Explain how a Grade 5 student can use a number line to decide whether  $0.4$  or  $0.7$  is greater.

*I plot both decimals between 0 and 1 by splitting the line into ten equal tenths.  $0.4$  lands at the fourth mark and  $0.7$  lands at the seventh mark. Since  $0.7$  is farther to the right, it is greater than  $0.4$ .*

---

---

2. Why is  $0.5$  equal to  $0.50$ ? Use Grade 5 place value language.

*Both decimals have 5 in the tenths place. Annexing a zero in the hundredths place of  $0.5$  gives  $0.50$ , but it adds zero hundredths, so the value does not change. That is why  $0.5 = 0.50$ .*

---