4.NF.C.7 Using Models to Compare Decimals

4.NF.C.7: Compare two decimals to hundredths by reasoning about their size. Recognize that comparisons are valid only when the two decimals refer to the same whole. Record the results of comparisons with the symbols >, =, or <, and justify the conclusions.

Give what is asked in each item and then write your answers on the space provided.

1. Compare the decimals to find the greater decimal using the suggested method.
    a. Use an image model to compare **0.45** and **0.40**.
    b. Use a number line to compare **0.6** and **0.7**.
    c. Use a place value chart to compare $**1.67** and $**1.8**.

Answers:
    a.   b.   c.

2. Order the decimals from greatest to least.
    a. 1.22, 1.18, 2.09
    b. 3.50, 35.0, 5.30
    c. 0.11, 1.10, 0.011
    d. 0.78, 1.12, 2.01
    e. 4.80, 4.9, 4.17
    f. 2.3, 2.4, 2.18
    g. 8.8, 7.9, 0.89
    h. 2.31, 2.13, 9.21

Answers:
a.
b.
c.
d.
e.
f.
g.
h.

3. Pearly spent $14.23 on her math project. Ann spent $15.11 while Zean $14.54 on the same math project. Who spent the most amount of money on her math project? Who spent the least amount of money?

Answer:

4. Rian, Shine and Lina participated in a 200-meter dash at their school. Rian took 15.76 seconds to reach the finish line. Shine took 15. 98 seconds while Lina completed the dash in 16.03 seconds. Who ran the fastest?

Answer:

5. Ashley, Ben, and Betty weighed their books. The weight of Ashley's books was 18.21 pounds. The weight of Ben's books was 17.81 pounds while Betty's books weighed 18.02 pounds. Order the weights of the books from least to greatest.

Answer:

6. Which group of decimals is not correctly ordered from least to greatest? _____
    a. 2.02, 2.29, 2.31   c. 2.14, 2.20, 3.0
    b. 2.4, 2.41, 2.34   d. 2.5, 2.06, 2.

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Answer Key

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Give what is asked in each item and then write your answers on the space provided.

1. Compare the decimals to find the greater decimal using the suggested method.
   a. Use an image model to compare **0.45** and **0.40**.
   b. Use a number line to compare **0.6** and **0.7**.
   c. Use a place value chart to compare $**1.67** and $**1.8**.

   Answers:
     a. **0.45**   b. **0.7** c. $**1.8**

2. Order the decimals from greatest to least.
   a. 1.22, 1.18, 2.09
   b. 3.50, 35.0, 5.30
   c. 0.11, 1.10, 0.011
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   Answers:
   a. 2.09, 1.22, 1.18
   b. 35.0, 5.30, 3.50
   c. 1.10, 0.11, 0.011
   d. 2.01, 1.12, 0.78
   e. 4.9, 4.8, 4.17
   f. 2.4, 2.3, 2.17
   g. 8.8, 7.9, 0.89
   h. 9.21, 2.31, 2.13

3. Pearly spent $14.23 on her math project. Ann spent $15.11 while Zean $14.54 on the same math project. Who spent the most amount of money on her math project? Who spent the least amount of money?

   Answer:
   Ann spent the most amount of money while Pearly spent the least.

4. Rian, Shine and Lina participated in a 200-meter dash at their school. Rian took 15.76 seconds to reach the finish line. Shine took 15.98 seconds while Lina completed the dash in 16.03 seconds. Who ran the fastest?

   Answer:
   Rian ran the fastest.

5. Ashley, Ben, and Betty weighed their books. The weight of Ashley's books was 18.21 pounds. The weight of Ben's books was 17.81 pounds while Betty's books weighed 18.02 pounds. Order the weights of the books from least to greatest.

   Answer:
   Ben's (17.81), Betty's (18.02), Ashley's (18.21)

6. Which group of decimals is not correctly ordered from least to greatest? _____b._____
   a. 2.02, 2.29, 2.31   c. 2.14, 2.20, 3.0
   b. 2.4, 2.41, 2.34   d. 2.5, 2.6, 2.7