1. The table shows the masses of four rocks. Which number sentence correctly compares the masses of two of the rocks?

A. 0.429 > 0.438

B. 0.438 < 0.483

C. 0.429 > 0.43

D. 0.438 = 0.43

Rock	Mass (kg)
S	0.429
T	0.438
U	0.43
V	0.483

2. The table shows the times it took four runners to finish a race. What comparison of these times is NOT correct.

A. 20.3 < 20.35

B. 19.795 > 19.8

C. 19.8 < 20.3

D. 20.35 > 19.795

Runner	Time (minutes)
W	20.3
X	19.795
Y	20.35
Z	19.8

3. Two numbers are shown. A number between is missing.

6.027 ☐ 6.009

Which number can be placed in the box to show the numbers in order from greatest to least?

A. 6.25

B. 6.02

C. 6.005

D. 6.028

4. Four students are traveling to a math contest. The table shows the weights of the four students' suitcases. In what position would Juan's suitcase be if the weights of the suitcases in pounds were ordered from greatest to least?

A. First

B. Second

C. Third

D. Fourth

Student	Weight of Suitcase (pounds)
Juan	21.605
Tiana	24.8
Kimberly	21.48
Emanuel	24.75

5. Which inequality is NOT true?

A. 65.7 < 67.54

B. 4.003 > 4.03

C. 26.4 < 26.48

D. 0.91 > 0.097

6. Which list shows the numbers NOT in order from least to greatest?

A. 4.036 < 4.08 < 4.2 < 4.201

B. 3.09 < 3.1 < 3.607 < 3.9

C. 6.4 < 6.51< 6.387 < 6.995

D. 7.315 < 7.38 < 7.406 < 7.5

5.2.B – Comparing & Ordering Decimals
Problem Set 1

Hint: Add zeroes to the end so that decimals have the same number of digits. That makes them easier to compare. For example, it is easer to see that 0.800 is greater than 0.795 than to see that 0.8 is greater than 0.795.

1 B. 0.438 < 0.483	**2** B. 19.795 > 19.8	**3** B. 6.02	**4** C. Third	**5** B. 4.003 > 4.03	**6** C. 6.4 < 6.51< 6.387 < 6.995
7 B. Y, X, Z	**8** B. <	**9** C. 2.65 > 2.675	**10** A. 26.5 > 26.05	**11** D. 0.060 = 0.060	**12** D. 418.63
13 D. 0.283 > 0.229	**14** B. 1.35 < 1.3	**15** D. 4.028	**16** C. Third	**17** C. 6.003 > 6.03	**18** A. 2.4 < 2.51< 2.387 < 2.995
19 D. C, A, B	**20** A. >	**21** D . 2.65 > 2.675	**22** B. 10.5 > 10.1	**23** D. 0.030 = 0.03	**24** B. 417.97
25 D. 0.329 < 0.33	**26** B. 29.795 > 29.8	**27** A. 7.025	**28** C. Third	**29** B. 3.003 > 3.03	**30** D. 7.51< 7.387 < 7.995 < 7.996

7. Elias has three containers of cooking oil. The table shows the volume of cooking oil in each container. Which list shows the containers in order from least to greatest volume in liters?

Container	Volume (L)
X	0.946
Y	0.502
Z	1.42

A. X, Y, Z

B. Y, X, Z

C. Z, Y, X

D. Z, X, Y

8. A scientist compared these two measurements.

13.068 kg ☐ 13.608 kg

Which symbol makes this comparison true?

A. >

B. <

C. =

D. +

9. Which comparison is NOT true?

A. 3.375 > 3.275

B. 6.875 < 6.9

C. 2.65 > 2.675

D. 7.675 < 7.75

10. The table shows the times in seconds it took four swimmers to complete a race. Which inequality correctly compares two of these race times?

Swimmer	One	Two	Three	Four
Time (Seconds)	26.15	26.5	26.1	26.05

A. 26.5 > 26.05

B. 26.15 > 26.5

C. 26.1 < 26.05

D. 26.15 < 26.1

11. Joshua compared the values of these decimals.

0.06 0.6 0.006 0.060

Which statement correctly compares two of these numbers?

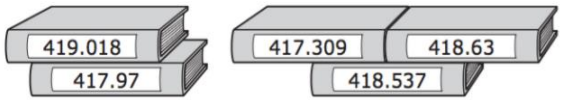
A. 0.6 < 0.06

B. 0.006 > 06

C. 0.6 = 0.06

D. 0.060 = 0.060

12. Books in a library are arranged by their Dewey decimal number. The Dewey decimal numbers for five books are shown.



Lana will put these books in order from the least number to the greatest number. Which book will be in the fourth position?

A. 419.018

B. 417.97

C. 418.537

D. 418.63

5.2.B – Comparing & Ordering Decimals
Problem Set 2

Hint: Add zeroes to the end so that decimals have the same number of digits. That makes them easier to compare. For example, it is easer to see that 0.800 is greater than 0.795 than to see that 0.8 is greater than 0.795.

1 B. 0.438 < 0.483	**2** B. 19.795 > 19.8	**3** B. 6.02	**4** C. Third	**5** B. 4.003 > 4.03	**6** C. 6.4 < 6.51< 6.387 < 6.995
7 B. Y, X, Z	**8** B. <	**9** C. 2.65 > 2.675	**10** A. 26.5 > 26.05	**11** D. 0.060 = 0.060	**12** D. 418.63
13 D. 0.283 > 0.229	**14** B. 1.35 < 1.3	**15** D. 4.028	**16** C. Third	**17** C. 6.003 > 6.03	**18** A. 2.4 < 2.51< 2.387 < 2.995
19 D. C, A, B	**20** A. >	**21** D . 2.65 > 2.675	**22** B. 10.5 > 10.1	**23** D. 0.030 = 0.03	**24** B. 417.97
25 D. 0.329 < 0.33	**26** B. 29.795 > 29.8	**27** A. 7.025	**28** C. Third	**29** B. 3.003 > 3.03	**30** D. 7.51< 7.387 < 7.995 < 7.996

13. The table shows the weights of four earth worms. Which number sentence correctly compares the weights of two of the worms?

A. 0.229 > 0.238

B. 0.238 < 0.23

C. 0.23 > 0.283

D. 0.283 > 0.229

Worm	Weight (grams)
S	0.229
T	0.238
U	0.23
V	0.283

14. The table shows the times it took four goats to eat all the brush on an acre of land. What comparison of these times is NOT correct.

A. 0.8 < 1.35

B. 1.35 < 1.3

C. 0.795 < 0.8

D. 1.3 > 0.795

Goat	Time (days)
W	1.3
X	0.795
Y	1.35
Z	.0.8

15. Two numbers are shown. A number between is missing.

4.057 ☐ 4.006

Which number can be placed in the box to show the numbers in order from greatest to least?

A. 4.25

B. 4.08

C. 4.005

D. 4.028

16. Four goats were having a high jump contest. The table shows the height of jumps in feet for the goats. What place did Gertie come in if the jumps are placed in order from highest to lowest?

A. First

B. Second

C. Third

D. Fourth

Goat	Height of Jump (feet)
Gertie	11.605
Griselda	12.8
George	11.48
Otis	12.75

17. Which inequality is NOT true?

A. 85.7 < 87.54

B. 46.4 < 46.48

C. 6.003 > 6.03

D. 0.71 > 0.077

18. Which list shows the numbers NOT in order from least to greatest?

A. 2.4 < 2.51< 2.387 < 2.995

B. 9.036 < 9.08 < 9.2 < 9.201

C. 8.315 < 8.38 < 8.406 < 8.5

D. 1.09 < 1.1 < 1.607 < 1.9

5.2.B – Comparing & Ordering Decimals
Problem Set 3

Hint: Add zeroes to the end so that decimals have the same number of digits. That makes them easier to compare. For example, it is easer to see that 0.800 is greater than 0.795 than to see that 0.8 is greater than 0.795.

1 B. 0.438 < 0.483	**2** B. 19.795 > 19.8	**3** B. 6.02	**4** C. Third	**5** B. 4.003 > 4.03	**6** C. 6.4 < 6.51< 6.387 < 6.995
7 B. Y, X, Z	**8** B. <	**9** C. 2.65 > 2.675	**10** A. 26.5 > 26.05	**11** D. 0.060 = 0.060	**12** D. 418.63
13 D. 0.283 > 0.229	**14** B. 1.35 < 1.3	**15** D. 4.028	**16** C. Third	**17** C. 6.003 > 6.03	**18** A. 2.4 < 2.51< 2.387 < 2.995
19 D. C, A, B	**20** A. >	**21** D . 2.65 > 2.675	**22** B. 10.5 > 10.1	**23** D. 0.030 = 0.03	**24** B. 417.97
25 D. 0.329 < 0.33	**26** B. 29.795 > 29.8	**27** A. 7.025	**28** C. Third	**29** B. 3.003 > 3.03	**30** D. 7.51< 7.387 < 7.995 < 7.996

19. Wanda the Witch has three jars of her famous love potion. The table shows the volume of love potion in each jar. Which list shows the jars in order from least to greatest volume in liters?

Jar	Volume (L)
A	1.946
B	2.42
C	1.502

A. A,B,C

B. B,A,C

C. C, B, A

D. C, A, B

20. A scientist compared these two measurements.

25.509 kg ☐ 25.059 kg

Which symbol makes this comparison true?

A. >

B. <

C. =

D. +

21. Which comparison is NOT true?

A. 6.875 < 6.9

B. 3.375 > 3.275

C. 7.675 < 7.75

D . 2.65 > 2.675

22. Muscular Marvin timed himself at the 100-meter dash for 4 days in a row. The chart shows the results. Which inequality correctly compares two of Marvin's times?

	Day One	Day Two	Day Three	Day Four
Time (Seconds)	10.15	10.5	10.1	10.05

A. 10.15 < 10.5

B. 10.5 > 10.1

C. 10.5 < 10.05

D. 10.15 < 10.1

23. Marianne compared the values of these decimals.

0.03 0.3 0.003 0.030

Which statement correctly compares two of these numbers?

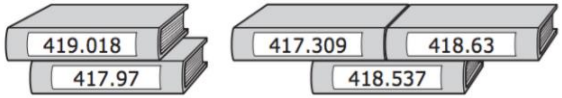
A. 0.3 < 0.03

B. 0.003 > .03

C. 0.3 = 0.03

D. 0.030 = 0.03

24. Books in a library are arranged by their Dewey decimal number. The Dewey decimal numbers for five books are shown.



Robert will put these books in order from the least number to the greatest number. Which book will be in the second position?

A. 419.018 C. 418.537

B. 417.97 D. 418.63

5.2.B – Comparing & Ordering Decimals
Problem Set 4

Hint: Add zeroes to the end so that decimals have the same number of digits. That makes them easier to compare. For example, it is easer to see that 0.800 is greater than 0.795 than to see that 0.8 is greater than 0.795.

1 B. 0.438 < 0.483	**2** B. 19.795 > 19.8	**3** B. 6.02	**4** C. Third	**5** B. 4.003 > 4.03	**6** C. 6.4 < 6.51< 6.387 < 6.995
7 B. Y, X, Z	**8** B. <	**9** C. 2.65 > 2.675	**10** A. 26.5 > 26.05	**11** D. 0.060 = 0.060	**12** D. 418.63
13 D. 0.283 > 0.229	**14** B. 1.35 < 1.3	**15** D. 4.028	**16** C. Third	**17** C. 6.003 > 6.03	**18** A. 2.4 < 2.51< 2.387 < 2.995
19 D. C, A, B	**20** A. >	**21** D . 2.65 > 2.675	**22** B. 10.5 > 10.1	**23** D. 0.030 = 0.03	**24** B. 417.97
25 D. 0.329 < 0.33	**26** B. 29.795 > 29.8	**27** A. 7.025	**28** C. Third	**29** B. 3.003 > 3.03	**30** D. 7.51< 7.387 < 7.995 < 7.996

25. The table shows the weights of four hamsters. Which number sentence correctly compares the masses of two of the hamsters?

Hamster	Weight (ozs)
Sam	3.529
Tom	3.538
Ulysses	3.53
Virginia	3.583

A. 0.338 = 0.33

B. 0.329 > 0.338

C. 0.338 > 0.383

D. 0.329 < 0.33

26. The table shows the times it took four slugs to finish a race. What comparison of these times is NOT correct.

Slug	Time (hours)
W	30..3
X	29.795
Y	30.35
Z	29.8

A. 30.3 < 30.35

B. 29.795 > 29.8

C. 29.8 < 30.3

D. 30.35 > 29.795

27. Two numbers are shown. A number between is missing.

7.027 ☐ 7.009

Which number can be placed in the box to show the numbers in order from greatest to least?

A. 7.025

B. 7.1

C. 7.005

D. 7.028

28. Four hippos are having a high jump contest. The table shows how high each hippo jumped in inches. In what place would Mo Mo be if heights of the jumps in inches were ordered from greatest to least?

Hippo	Height of Jump (inches)
Mo Mo	1.605
Toe Toe	4.8
K-Jo	1.48
El Bo	4.75

A. First

B. Second

C. Third

D. Fourth

29. Which inequality is NOT true?

A. 55.7 < 57.54

B. 3.003 > 3.03

C. 16.4 < 16.48

D. 0.81 > 0.087

30. Which list shows the numbers NOT in order from least to greatest?

A. 8.315 < 8.38 < 8.406 < 8.5

B. 5.036 < 5.08 < 5.2 < 5.201

C. 4.09 < 4.1 < 4.607 < 4.9

D. 7.51< 7.387 < 7.995 < 7.996

5.2.B – Comparing & Ordering Decimals
Problem Set 5

Hint: Add zeroes to the end so that decimals have the same number of digits. That makes them easier to compare. For example, it is easer to see that 0.800 is greater than 0.795 than to see that 0.8 is greater than 0.795.

1 B. 0.438 < 0.483	**2** B. 19.795 > 19.8	**3** B. 6.02	**4** C. Third	**5** B. 4.003 > 4.03	**6** C. 6.4 < 6.51< 6.387 < 6.995
7 B. Y, X, Z	**8** B. <	**9** C. 2.65 > 2.675	**10** A. 26.5 > 26.05	**11** D. 0.060 = 0.060	**12** D. 418.63
13 D. 0.283 > 0.229	**14** B. 1.35 < 1.3	**15** D. 4.028	**16** C. Third	**17** C. 6.003 > 6.03	**18** A. 2.4 < 2.51< 2.387 < 2.995
19 D. C, A, B	**20** A. >	**21** D . 2.65 > 2.675	**22** B. 10.5 > 10.1	**23** D. 0.030 = 0.03	**24** B. 417.97
25 D. 0.329 < 0.33	**26** B. 29.795 > 29.8	**27** A. 7.025	**28** C. Third	**29** B. 3.003 > 3.03	**30** D. 7.51< 7.387 < 7.995 < 7.996