

## Place Value Skill 5 - 2E

### Order Decimals

**Directions:** Write the decimals in order from least to greatest.

4.03

4.32

4.28

<b>Step 1</b>	Compare the ones.	<del>4.03</del> <del>4.32</del> <del>4.28</del>	All of the digits in the ones place are the same.
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<b>Step 2</b>	Compare the tenths.	<del>4.03</del> <del>4.32</del> <del>4.28</del>	$0 < 2 < 3$
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<b>Step 3</b>	Put the numbers in order from least to greatest.	4.03; 4.28; 4.32
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- |                                   |                            |
|-----------------------------------|----------------------------|
| 1. 0.5, 0.3, 0.1 _____            | 2. 1.6, 1.2, 1.8 _____     |
| 3. 0.12, 0.14, 0.11 _____         | 4. 1.24, 1.23, 1.27 _____  |
| 5. 1.15, 1.34, 2.18 _____         | 6. 1.03, 1.05, 1.02 _____  |
| 7. 3.64, 3.63, 3.61 _____         | 8. 2.52, 2.42, 2.56 _____  |
| 9. 2.42, 2.83, 2.34 _____         | 10. 3.08, 3.02, 3.13 _____ |
| 11. 1.257, 1.343, 1.232 _____     |                            |
| 12. 2.3461, 2.3442, 2.3422 _____  |                            |
| 13. 1.257, 1.243, 1.562 _____     |                            |
| 14. 3.102, 3.106, 3.112 _____     |                            |
| 15. 7.05, 7.03, 7.07, 8.02 _____  |                            |
| 16. 5.03, 4.02, 4.01, 4.07 _____  |                            |
| 17. 0.13, 0.102, 0.2, 0.115 _____ |                            |

## Place Value Skill 5 - 2E

### Order Decimals

**Directions:** Write the decimals in order from greatest to least.

For decimals with places to the thousandths it is helpful to use the following method.

Order the decimals from **greatest to least**. (the last page was ordering from least to greatest)

0.53                      0.201                      1.32                      0.505                      0.681

Write the decimals in a table like this one. Add zeros if necessary to make all the decimals have an equal number of digits. (adding zeros after the decimal point and after the last digit does not change the value of a decimal)

ones	decimal point	tenths	hundredths	thousandths
0	.	5	3	0
0	.	2	0	1
1	.	3	2	0
0	.	5	0	5
0	.	6	8	1

**Step 1**

**Compare the ones.** The ones column has all zeros except for the number 1.  $1 > 0$  so 1.32 is the greatest number. Draw a line through 1.32 in the table. Then, write 1.32 below (bottom of page) on the first line as the greatest number.

**Step 2**

**Compare the tenths.** Look at the tenths column. The greatest number is 6. This means that 0.681 is the next largest decimal. Draw a line through 0.681 in the table and write 0.681 next to 1.32 on the line at the bottom of this page.

Look at the tenths column again. There are two numbers in the tenths place with the same value. Look at the hundredths column to determine which number is larger.  $3 > 0$  so, 0.53 is our next largest number. Draw a line through 0.53 and write it next in line. Now draw a line through 0.505 and write it below.

**Step 3**

Now look at the tenths column again and the last and least number is 2. So write 0.201 below as the least decimal.

Write the decimals in order from greatest to least here.

\_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_, \_\_\_\_\_

## Place Value Skill 5 - 2E

### Order Decimals

**Directions:** Write the decimals in order from greatest to least.

18. 0.64, 0.302, 2.43, 0.606, 0.792 \_\_\_\_\_

19. 3.305, 3.51, 4.13, 3.701 \_\_\_\_\_

20. 3.035, 1.357, 0.46, 1.158 \_\_\_\_\_

21. 0.54, 0.05, 0.50, 0.003 \_\_\_\_\_

22. 0.74, 1.202, 0.52, 0.633 \_\_\_\_\_

23. 2.302, 2.301, 2.303, 2.60 \_\_\_\_\_

24. 0.748, 0.632, 0.752, 0.621 \_\_\_\_\_

25. 3.526, 3.23, 2.82, 3.523 \_\_\_\_\_

26. 0.404, 0.329, 0.460, 0.4006 \_\_\_\_\_

27. 0.81, 0.52, 3.26, 0.84, 0.33 \_\_\_\_\_

28. 7.804, 7.085, 7.707 \_\_\_\_\_

29. 6.322, 6.801, 6.1, 7.02 \_\_\_\_\_

30. 3.13, 3.11, 3.005, 3.09 \_\_\_\_\_

31. 21.523, 34.734, 65.515 \_\_\_\_\_

32. 8.53, 3.75, 8.56, 3.77 \_\_\_\_\_

33. 5.25, 8.12, 5.27, 9.65 \_\_\_\_\_

34. 4.05, 4.005, 4.505, 4.528 \_\_\_\_\_

35. 8.377, 8.364, 8.329 \_\_\_\_\_

36. 0.559, 0.554, 0.555, 1.005 \_\_\_\_\_

37. 0.476, 0.473, 0.4724, 0.4722 \_\_\_\_\_

Answers: Grade 5 Skill 2E

**order least to greatest page 1**

- |                             |                                |                      |                         |
|-----------------------------|--------------------------------|----------------------|-------------------------|
| 1. 0.5, 0.3, 0.1            | <u>0.1, 0.3, 0.5</u>           | 2. 1.6, 1.2, 1.8     | <u>1.2, 1.6, 1.8</u>    |
| 3. 0.12, 0.14, 0.11         | <u>0.11, 0.12, 0.14</u>        | 4. 1.24, 1.23, 1.27  | <u>1.23, 1.24, 1.27</u> |
| 5. 1.15, 1.34, 2.18         | <u>1.15, 1.34, 2.18</u>        | 6. 1.03, 1.05, 1.02  | <u>1.02, 1.03, 1.05</u> |
| 7. 3.64, 3.63, 3.61         | <u>3.61, 3.63, 3.64</u>        | 8. 2.52, 2.42, 2.56  | <u>2.42, 2.52, 2.56</u> |
| 9. 2.42, 2.83, 2.34         | <u>2.34, 2.42, 2.83</u>        | 10. 3.08, 3.02, 3.13 | <u>3.02, 3.08, 3.13</u> |
| 11. 1.257, 1.343, 1.232     | <u>1.232, 1.257, 1.343</u>     |                      |                         |
| 12. 2.3461, 2.3442, 2.3422  | <u>2.3422, 2.3442, 2.3461</u>  |                      |                         |
| 13. 1.257, 1.243, 1.562     | <u>1.243, 1.257, 1.562</u>     |                      |                         |
| 14. 3.102, 3.106, 3.112     | <u>3.102, 3.106, 3.112</u>     |                      |                         |
| 15. 7.05, 7.03, 7.07, 8.02  | <u>7.03, 7.05, 7.07, 8.02</u>  |                      |                         |
| 16. 5.03, 4.02, 4.01, 4.07  | <u>4.01, 4.02, 4.07, 5.03</u>  |                      |                         |
| 17. 0.13, 0.102, 0.2, 0.115 | <u>0.102, 0.115, 0.13, 0.2</u> |                      |                         |

**order greatest to least page 3**

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|-------------------------------------|----------------------------------------|
| 18. 0.64, 0.302, 2.43, 0.606, 0.792 | <u>2.43, 0.792, 0.64, 0.606, 0.302</u> |
| 19. 3.305, 3.51, 4.13, 3.701        | <u>4.13, 3.701, 3.51, 3.305</u>        |
| 20. 3.035, 1.357, 0.46, 1.158       | <u>3.035, 1.357, 1.158, 0.46</u>       |
| 21. 0.54, 0.05, 0.50, 0.003         | <u>0.54, 0.50, 0.05, 0.003</u>         |
| 22. 0.74, 1.202, 0.52, 0.633        | <u>1.202, 0.74, 0.633, 0.52</u>        |
| 23. 2.302, 2.301, 2.303, 2.60       | <u>2.60, 2.303, 2.302, 2.301</u>       |
| 24. 0.748, 0.632, 0.752, 0.621      | <u>0.752, 0.748, 0.632, 0.621</u>      |
| 25. 3.526, 3.23, 2.82, 3.523        | <u>3.526, 3.523, 3.23, 2.82</u>        |
| 26. 0.404, 0.329, 0.460, 0.4006     | <u>0.460, 0.404, 0.4006, 0.329</u>     |
| 27. 0.81, 0.52, 3.26, 0.84, 0.33    | <u>3.26, 0.84, 0.81, 0.52, 0.33</u>    |
| 28. 7.804, 7.085, 7.707             | <u>7.804, 7.707, 7.085</u>             |
| 29. 6.322, 6.801, 6.1, 7.02         | <u>7.02, 6.801, 6.322, 6.1</u>         |
| 30. 3.13, 3.11, 3.005, 3.09         | <u>3.13, 3.11, 3.09, 3.005</u>         |
| 31. 21.523, 34.734, 65.515          | <u>65.515, 34.734, 21.523</u>          |
| 32. 8.53, 3.75, 8.56, 3.77          | <u>8.56, 8.53, 3.77, 3.75</u>          |
| 33. 5.25, 8.12, 5.27, 9.65          | <u>9.65, 8.12, 5.27, 5.25</u>          |
| 34. 4.05, 4.005, 4.505, 4.528       | <u>4.528, 4.505, 4.05, 4.005</u>       |
| 35. 8.377, 8.364, 8.329             | <u>8.377, 8.364, 8.329</u>             |
| 36. 0.559, 0.554, 0.555, 1.005      | <u>1.005, 0.559, 0.555, 0.554</u>      |
| 37. 0.476, 0.4722, 0.473, 0.4724    | <u>0.476, 0.473, 0.4724, 0.4722</u>    |