

Warm up p.28

Name **all sets** to which **each number** belongs.

3.121314...	$\frac{-64}{8}$	$-\sqrt{225}$	0	$0.\overline{3}$
I, R, RN	I, R, RN	I, R, RN	W, I R, RN	R, RN

What two integers does $\sqrt{375}$ fall between?

19, 20

Write 10^{-5} as a fraction and decimal.

$\frac{1}{100,000}$ 0.00001

Write in scientific notation/standard form.

0.0000416 39,000,000

4.16×10^{-5} 3.9×10^7

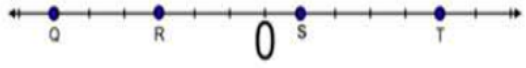
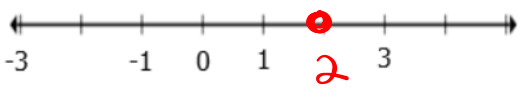
$1.78 \times 10^{(8)}$ $6.4 \times 10^{(-3)}$

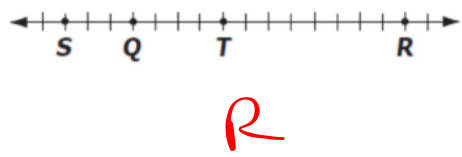

178,000,000 0.0064

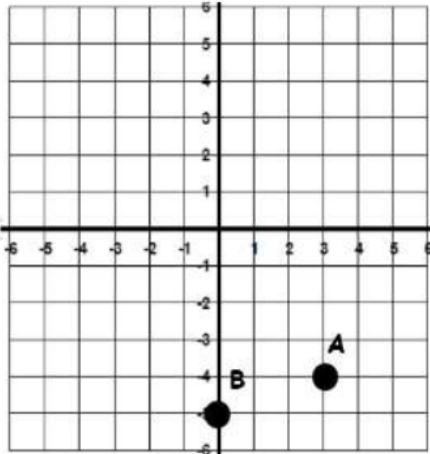
~~178,000,000~~ ~~0.0064~~

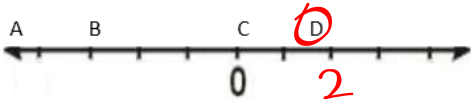
Unit 1 Pre-Algebra Review

<p>1. Solve.</p> $-8 + 12 = 4$	<p>2. Solve.</p> $6 - (-4) = 10$
<p>3. Solve.</p> $(-5) + (-9) = -14$	<p>4. Solve.</p> $-3 \cdot -7 = 21$
<p>5. Solve.</p> $\frac{32}{-8} = -4$	<p>6. Solve.</p> $-2 \cdot 4 - 6 = -14$
<p>7. On Friday Mason had \$100 in her bank account. On Saturday, Mason made a withdrawal of \$12 and another withdrawal of \$20. How much money is in Mason's bank account?</p> <p style="text-align: center;">68</p>	<p>8. Write 2,700,000 in scientific notation.</p> <p style="text-align: center;">2.7×10^6</p>
<p>9. Write 4.57×10^5 in standard notation.</p> <p style="text-align: center;">457,000</p>	<p>10. Which square root has a value 8?</p> <p>A $\sqrt{8}$ B $\sqrt{16}$ <input checked="" type="radio"/> C $\sqrt{64}$ D $\sqrt{80}$</p>
<p>11. What is the $\sqrt{196}$?</p> <p style="text-align: center;">14</p>	<p>12. What is the -5.9?</p> <p style="text-align: center;">5.9</p>

<p>13. Identify the integer that represents point Q:</p>  <p style="text-align: center;">-6</p>	<p>14. Write an integer for the real life situation below and then plot the absolute value of that integer on the number line.</p> <p>A loss of \$2 <u>-2</u></p> 
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<p>15. Which point on the number line represents the greatest integer?</p> 	<p>16. True or False.</p> <p><u>F</u> -6°C is warmer than -1°C</p> <p><u>T</u> -9 is located to the left of -4 on a number line</p> <p><u>T</u> 5°C is warmer than -10°C</p> <p><u>F</u> -12 > -17</p>
<p>17. True or False.</p> <p><u>F</u> -5 < -9</p> <p><u>T</u> -6 < 6</p> <p><u>F</u> -3 > -2</p> <p><u>F</u> 7 < -9</p>	<p>18. True or False.</p> <p><u>F</u> -599 > -385</p> <p><u>F</u> 4,119 < -3,513</p> <p><u>T</u> -56,803 > -64,122</p> <p><u>F</u> -85 > 89</p>
<p>19. Which list has the integers in order from <i>greatest to least</i>?</p> <p><u>B</u> -9 < -7 < -16 < -5</p> <p><u>C</u> -5 < -7 < -9 < -16</p> <p><u>C</u> -16 < -7 < -5 < -9</p> <p><u>D</u> -16 < -9 < -7 < -5</p>	<p>20. Is it true that -6 and 6 are equal? Explain why or why not.</p> <p>Yes. Absolute value always positive</p>
<p>21. Circle the number(s) with an absolute value of 9.</p> <div style="border: 1px solid black; padding: 5px; display: inline-block;"> 81 <u>9</u> 3 $\frac{1}{9}$ 0 -3 <u>-9</u> -81 </div>	<p>22. Joe went diving and went 25 feet below sea level. Write the integer that is the opposite.</p> <p>25</p>
<p>23. What is the value of:</p> <p>$8^2 = 64$</p> <p>$8^3 = 512$</p> <p>$8^4 = 4096$</p>	<p>24. The first four figures in a pattern are shown.</p>  <p>If the pattern continues by adding another row and column of dots to the previous group, how many dots will be in the next group?</p> <p><u>B</u> 20</p> <p><u>B</u> 25</p> <p>C 35</p> <p>D 40</p>

<p>25. Which of the following expressions is not equivalent to 81?</p> <p>A 2^6 B 9^2 C 3^4 D 81^1</p>	<p>26. Identify which list does not contain all perfect squares.</p> <p>A 4, 9, 16, 25 B 1, 9, 64, 81 C 100, 200, 400</p>
<p>27. What would be the value of 10^{-2} as a fraction and decimal?</p> <p>$\frac{1}{100}$ 0.01</p>	<p>Use the coordinate plane to answer questions 28-31.</p> 
<p>28. Use the coordinate plane to answer the questions.</p> <p>How would you plot the point $(5, 0)$ on the coordinate plane? Begin at the origin and then:</p> <p>right 5 units</p>	<p>29. Use the coordinate plane to answer the questions.</p> <p>What are the coordinates of points of B?</p> <p>$(0, -5)$</p>
<p>30. Use the coordinate plane to answer the questions.</p> <p>Point A is located in which quadrant? <u>IV</u></p>	<p>31. Use the coordinate plane to answer the questions.</p> <p>How many units is point A from the x-axis?</p> <p>4</p>
<p>32. Which quadrant is $(-2, 5)$ in?</p> <p><u>II</u></p>	<p>33. Create an ordered pair located on y-axis by using the numbers provided.</p> <p>$(0, \text{any number})$</p> <p>-7 2 0 3 -5</p>

<p>35. Which point represents the absolute value of -2?</p> 	<p>36. What is the $- \frac{3}{2}$?</p> <p style="text-align: center;">$\frac{3}{2}$</p>
<p>37. On a number line, what is the distance between -6 and 10?</p> <p style="text-align: center;">16</p>	<p>38. Write the value of 10^{-4} as a fraction and decimal.</p> <p style="text-align: center;">$\frac{1}{10,000}$ 0.0001</p>
<p>39. Which of the following is an irrational number?</p> <p>A $\sqrt{100}$ B $\sqrt{81}$ <input checked="" type="radio"/> C $\sqrt{63}$ D $\sqrt{25}$</p>	<p>40. Which of the following sets contains only rational numbers?</p> <p>A $\{-\frac{3}{9}, \sqrt{25}, \pi\}$ <input checked="" type="radio"/> B $\{0.36\bar{7}, -0.66, \frac{9}{15}\}$ C $\{\sqrt{15}, 0.6, -\frac{7}{10}\}$ D $\{0.\bar{5}, \sqrt{81}, 0.7836 \dots\}$</p>
<p>41. Which cannot be used to describe the number $-\frac{18}{9}$?</p> <p><input checked="" type="radio"/> A Whole Number B Integer C Rational Number D Real Number</p>	<p>42. Which classification of the real number system describes all numbers in the set below? $\{0.5, -18\frac{1}{3}, \sqrt{3}, \pi, 19\%\}$</p> <p>A Irrational Number B Rational Number C Whole Number <input checked="" type="radio"/> D Real Number</p>
<p>43. The $\sqrt{87}$ lies between which two consecutive whole numbers?</p> <p style="text-align: center;">9, 10</p>	<p>44. Which of the following is between 19 and 20?</p> <p>A $\sqrt{289}$ B $\sqrt{360}$ <input checked="" type="radio"/> C $\sqrt{375}$ D $\sqrt{444}$</p>
<p>45. The area of a square rug is 36 square feet. What are the dimensions of the rug?</p> <p style="text-align: center;">6</p>	<p>46. The $\sqrt{2} + 5$ is a(n) _____.</p> <p><input checked="" type="radio"/> A Irrational Number B Rational Number</p>
<p>47. What is $-\sqrt{196}$?</p> <p style="text-align: center;">-14</p>	<p>48. What is $\sqrt{324}$?</p> <p style="text-align: center;">18</p>

Kahoot.it review order of operations

You may use a smartpal to work out each problem

Taking a test on SchoolNet:

You need a piece of paper and a pencil

Sign out of your Chromebook

Select APPS on bottom left of screen

Test code for Unit 1 Assessment is

ZE5RY6JU9

After you submit your test work on the picture graph.