

Percent:

Did:

Did Not Do:

Assign: 1,3,5,8,9,13
17,18,19,20,21,23,25
30,31,33

1-2 Practice

Header

Properties of Real Numbers

Classify each variable according to the set of numbers that best describes its values.

- the area of the circle A found by using the formula πr^2
-
- the air temperature t in Saint Paul, MN, measured to the nearest degree Fahrenheit

Graph each number on a number line.

5. -1

8. $-2\frac{1}{2}$

Compare the two numbers. Use $>$ or $<$.

9. $-\sqrt{2}, -2$

13. $11, \sqrt{130}$

Name the property of real numbers illustrated by each equation.

17. $2(3 + \sqrt{5}) = 2 \cdot 3 + 2 \cdot \sqrt{5}$

18. $16 + (-13) = -13 + 16$

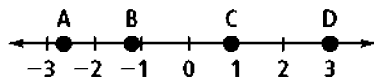
19. $-7, \frac{1}{-7} = 1$

20. $5(0.2 \cdot 7) = (5 \cdot 0.2) \cdot 7$

1-2 Practice (continued)

Properties of Real Numbers

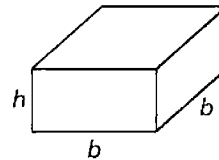
Estimate the numbers graphed at the labeled points.



21. point A

23. point C

Geometry To find the length of side b of a rectangular prism with a square base, use the formula $b = \sqrt{\frac{V}{h}}$ where V is the volume of the prism and h is the height. Which set of numbers best describes the value of b for the given values of V and h ?



25. $V = 100$, $h = 5$

Write the numbers in increasing order.

30. $\frac{5}{8}$, -6 , $\frac{2}{3}$, $-\pi$, -0.5

Justify the equation by stating one of the properties of real numbers.

31. $(x + 37) + (-37) = x + (37 + (-37))$

33. $x + (37 + (-37)) = x + 0$