



## 4.1 Practice

Name: \_\_\_\_\_ Per. \_\_\_\_\_

Insert  $<$ ,  $>$ , or  $=$  between the given pairs of numbers to make the true statement.

1.  $|12|$  \_\_\_\_\_  $|-2|$       2.  $|-2|$  \_\_\_\_\_  $|2|$       3.  $|-0.35|$  \_\_\_\_\_  $|-1|$       4.  $|15|$  \_\_\_\_\_  $|-99|$

5.  $|45.87|$  \_\_\_\_\_  $|32.54|$       6.  $|43|$  \_\_\_\_\_  $|23|$       7.  $|-24|$  \_\_\_\_\_  $|-38|$       8.  $|29|$  \_\_\_\_\_  $|-29|$

9.  $|-2|$  \_\_\_\_\_  $|-15|$       10.  $|-0.1|$  \_\_\_\_\_  $|0.2|$       11.  $|2.1|$  \_\_\_\_\_  $|-3.2|$       12.  $|1001|$  \_\_\_\_\_  $|-1002|$

Order the values from least to greatest.

13.  $|5|$ ,  $|-21|$ ,  $|-0.95|$

14.  $|0.11|$ ,  $|23|$ ,  $|-42|$

15.  $|-0.5|$ ,  $|-12|$ ,  $|-2|$

16.  $|-3|$ ,  $|0.55|$ ,  $|9|$

17.  $|-9|$ ,  $|8|$ ,  $|-7|$

18.  $|6|$ ,  $|-7|$ ,  $|-0.8|$

Determine if the number is an Integer ( $\mathbb{Z}$ ), Rational Number ( $\mathbb{R}$ ) and/or Whole Number ( $\mathbb{N}$ ).

19. 45

22.  $\frac{4}{7}$

25. 0.98

28. 0

20.  $|-34|$

23.  $|12|$

26.  $-.25$

29. 36

21.  $-2$

24.  $-\frac{3}{4}$

27.  $-13$

30.  $\frac{4}{15}$

Solve

31. A worker on a skyscraper is on the 64<sup>th</sup> floor and wants to descend to ground level. Use an integer to represent the change in the worker's position.

32. Two scuba divers are underwater. The number  $-103$  represents Diver A's position (in feet) relative to the surface. The number  $-230$  represents Diver B's position (in feet) relative to the surface. Which diver is closer to the surface?