

## Variables, Constants, and Real Numbers Solutions

Now that you have completed the practice problems, review the solutions below to see how well you did.

1. Solution  $N, W, Z$

2. Solution  $N, W, Z$

3. Solution  $W, Z$

4. Solution  $N, W, Z$

5. Solution  $Z$

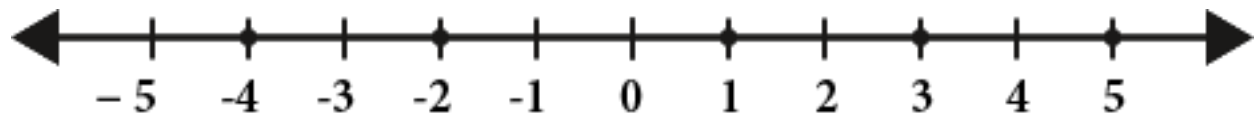
6. Solution  $Z$

7. Solution  $Z$

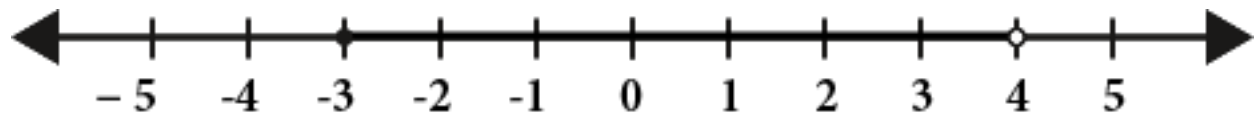
8. Solution  $Z$

9. Solution Neither

10.



11.



12. Solution Yes, 99

13. Solution Yes, 10

14. Solution  $<$

15. Solution  $<$

16. Solution <

17. Solution >

18. Solution =

For the following 5 problems, what numbers can replace  $m$  so that the following statements are true?

19. Solution  $\{-1, 0, 1, 2, 3, 4, 5\}$

20. Solution  $\{-6, -5, -4, -3, -2\}$

21. Solution  $\{1\}$

22. Solution None  $\{ \}$ . There is no negative natural number.

23. Solution  $\{0, 1, 2, 3, 4\}$

For the following 10 problems, on the number line, how many units are there between the given pair of numbers?

24. Solution 3

25. Solution 4

26. Solution 7

27. Solution 8

28. Solution 6

29. Solution yes

30. Solution yes

31. Solution yes

32. Solution no

33. Solution yes, -1

**Resource:**

Ellis, W., & Burzynski, D. (2010, August 18). *Signed Numbers: Variables, Constants, and Real Numbers*. Retrieved from: <http://cnx.org/content/m35027/1.2/>. This work is licensed under the Creative Commons Attribution 3.0 Unported License. To view a copy of this license, visit <http://creativecommons.org/licenses/by-nc-sa/3.0/>.