

# Answer Presentation Tool

Book Chapter Section Exercises Display Cols  

1. an apparent solution that must be rejected because it does not satisfy the original equation

2. An absolute value cannot be negative.

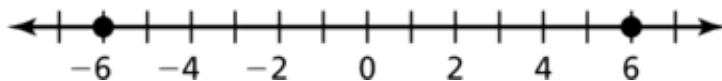
3. 9

5. 0

7. -35

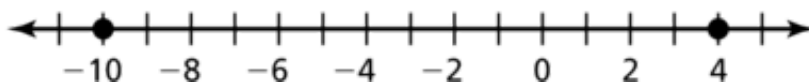
9. 9

11.  $w = -6, w = 6;$

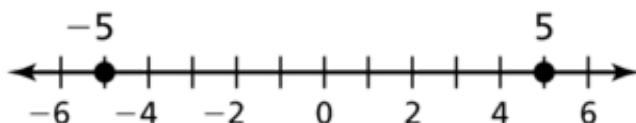


13. no solution

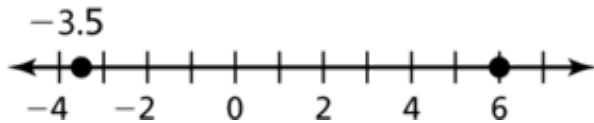
15.  $m = -10, m = 4;$



17.  $d = -5, d = 5;$

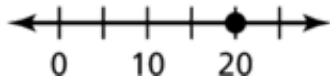


19.  $b = -3.5, b = 6;$

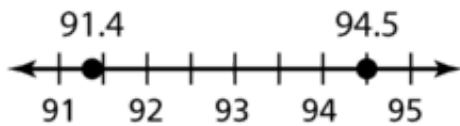


21. no solution

23.  $s = 20;$



25. a.



b.  $|d - 92,950,000| = 1,550,000$

27. B

29. C

31.  $|x - 13| = 5$

33.  $|x - 5.5| = 3.5$

35.  $n = 3, n = 5$

37.  $b = 3, b = 5$

39.  $p = \frac{2}{3}, p = 10$

41.  $h = 0.25$

43.  $f = -1$

- 45.** 5 sec, 7.5 sec
- 46.** no; The absolute value has to be isolated first, which makes the constant on the right positive.
- 47.** a.  $|x - 32| = 5$ ; 27%, 37%  
b. no;  $\frac{1}{3}$  ( $33\frac{1}{3}\%$ ) falls within the range of possible values.
- 49.** The absolute value cannot be negative. So, there is no solution.
- 60.** a. 40%, 44%; 0%, 4%  
b. Set the absolute value of  $x$  minus the percentage of the party interested in equal to 2, then solve for the minimum and maximum values.  
c. Republican; 44% is within the error range of 42%.