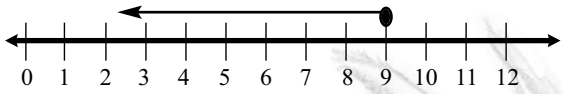
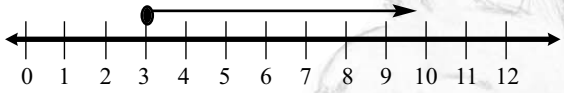
Quiz 4-2 Answer Key

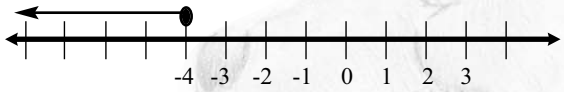
1. $2x - 3 \leq 15$



2. $4x + 5 \geq 17$



3. $3x - 9 \leq 2x - 13$



4. 15

5. $x > -5$

6. $x < -9$

7. $x \geq -6$

8. (d) $x < -32$

9. $x < 8$

10. $x < -5/2$

11. $x > -4$

12. $x < -11$

13. $x \leq -2$

14. (a) open interval

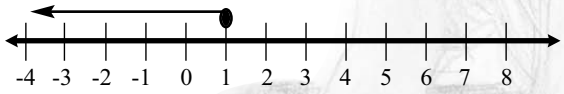
15. (a) open interval

16. half-open

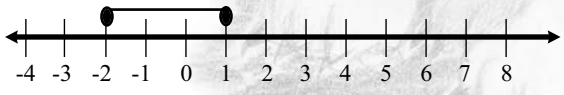
17. closed

18. open

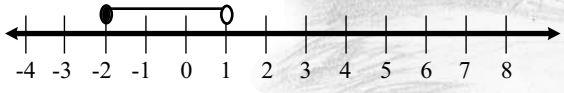
19. half-open



20. closed interval



21. half-open



22. $\{x \mid 8 < x < 19\}$

23. $\{x \mid x < 5\}$

24. $\{x \mid -1 \leq x \leq 4\}$

25. All x, such that, eleven is greater than x and x is greater than negative four.

26. $\{x \mid 2 < x < 6\}$

27. All x, such that, four is *less than or equal to* x and x is *less than or equal to* sixteen.

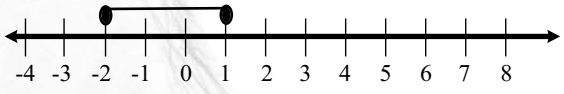
28. $\{x \mid x < 1\}$



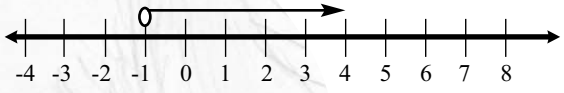
29. $\{x \mid -2 < x \leq 1\}$



30. $\{x \mid -2 \leq x \leq 1\}$



31. $\{x \mid x > -1\}$



32. infinity

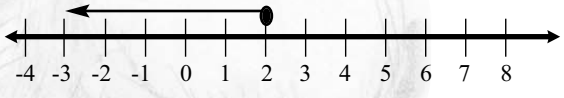
33. $(-\infty, 3)$

34. $\{x \mid 2 \leq x \leq 5\}$; [2, 5]

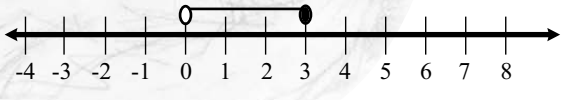
35. [2, 6)

36. (-6, 6]

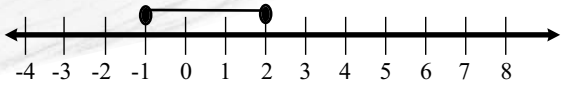
37. $(-\infty, 2]$



38. (0, 3]

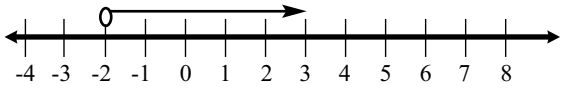


39. [-1, 2]



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40. $(-2, \infty)$



44. b (or e)
42. e (or b)
43. d
44. a
45. c



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