

Algebra

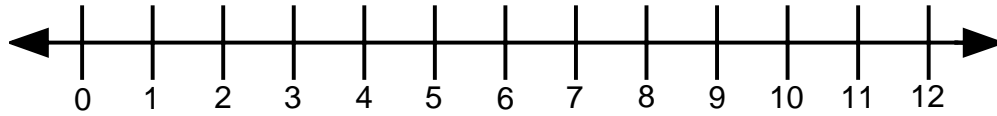
Skill 4 - 16C

Inequalities

Answer to test question 16C is $c = 4$

\geq means "is greater than or equal to."

\leq means "is less than or equal to."



Directions: Solve the inequalities. Use the number line if it helps.

1. $y + 4 > 8$

a. $y = 3$

b. $y = 2$

c. $y = 5$

d. $y = 4$

2. $y + 2 > 5$

a. $y = 0$

b. $y = 2$

c. $y = 4$

d. $y = 3$

3. $y + 8 > 10$

a. $y = 3$

b. $y = 2$

c. $y = 0$

d. $y = 1$

4. $y + 3 > 8$

a. $y = 2$

b. $y = 6$

c. $y = 5$

d. $y = 3$

5. $p - 3 > 8$

a. $p = 11$

b. $p = 9$

c. $p = 12$

d. $p = 7$

6. $p + 4 < 7$

a. $p = 5$

b. $p = 3$

c. $p = 4$

d. $p = 2$

7. $p - 2 < 6$

a. $p = 9$

b. $p = 10$

c. $p = 8$

d. $p = 7$

8. $p + 4 > 7$

a. $p = 3$

b. $p = 2$

c. $p = 4$

d. $p = 1$

9. $b + 2 < 6$

a. $b = 3$

b. $b = 6$

c. $b = 4$

d. $b = 5$

10. $b + 3 > 7$

a. $b = 3$

b. $b = 2$

c. $b = 4$

d. $b = 5$

11. $b - 1 < 5$

a. $b = 7$

b. $b = 6$

c. $b = 5$

d. $b = 8$

12. $z + 3 > 8$

a. $z = 3$

b. $z = 6$

c. $z = 5$

d. $z = 4$

13. $n + 5 < 11$

a. $n = 6$

b. $n = 5$

c. $n = 7$

d. $n = 8$

14. $k - 3 > 8$

a. $k = 11$

b. $k = 12$

c. $k = 10$

d. $k = 9$

15. $y + 4 \leq 8$

a. $y = 5$

b. $y = 7$

c. $y = 6$

d. $y = 4$

16. $y + 4 \geq 8$

a. $y = 4$

b. $y = 2$

c. $y = 1$

d. $y = 3$

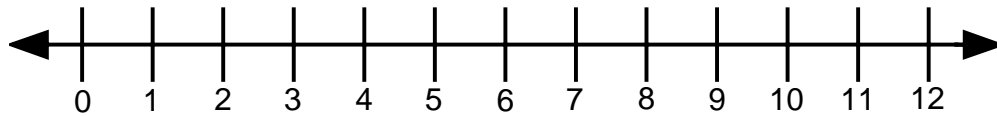
Algebra

Skill 4 - 16C

Inequalities

\geq means "is greater than or equal to."

\leq means "is less than or equal to."



Directions: Solve the inequalities. Use the number line if it helps.

17. $y + 2 \geq 8$

a. $y = 5$

b. $y = 4$

c. $y = 9$

d. $y = 3$

18. $y - 2 \leq 6$

a. $y = 6$

b. $y = 9$

c. $y = 10$

d. $y = 12$

19. $t + 3 \geq 8$

a. $t = 4$

b. $t = 7$

c. $t = 2$

d. $t = 3$

20. $y - 3 > 8$

a. $y = 12$

b. $y = 10$

c. $y = 11$

d. $y = 9$

21. $p - 2 > 5$

a. $p = 5$

b. $p = 8$

c. $p = 6$

d. $p = 7$

22. $p - 4 \leq 5$

a. $p = 12$

b. $p = 8$

c. $p = 10$

d. $p = 11$

23. $p - 3 \geq 8$

a. $p = 7$

b. $p = 5$

c. $p = 12$

d. $p = 9$

24. $r - 3 < 6$

a. $r = 11$

b. $r = 12$

c. $r = 9$

d. $r = 8$

25. $b + 4 \leq 9$

a. $b = 8$

b. $b = 6$

c. $b = 4$

d. $b = 7$

26. $b + 3 \geq 12$

a. $b = 7$

b. $b = 10$

c. $b = 6$

d. $b = 8$

27. $b - 3 < 6$

a. $b = 9$

b. $b = 12$

c. $b = 5$

d. $b = 10$

28. $z + 5 \geq 11$

a. $z = 7$

b. $z = 4$

c. $z = 5$

d. $z = 3$

29. $n - 2 \leq 4$

a. $n = 10$

b. $n = 8$

c. $n = 7$

d. $n = 6$

30. $k - 4 > 6$

a. $k = 12$

b. $k = 8$

c. $k = 9$

d. $k = 10$

31. $y + 2 \leq 4$

a. $y = 5$

b. $y = 6$

c. $y = 1$

d. $y = 8$

32. $y + 3 \geq 8$

a. $y = 4$

b. $y = 2$

c. $y = 6$

d. $y = 3$

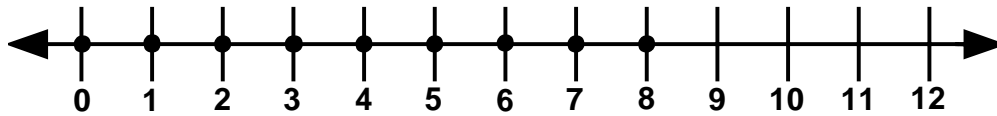
Algebra

Skill 4 - 16C

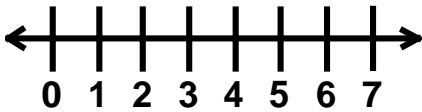
Inequalities

Directions: Graph whole numbers on the number line that make the inequality true. The first problem is completed as an example.

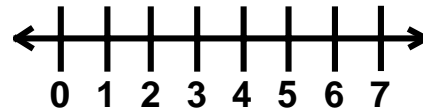
33. $y - 2 \leq 6$



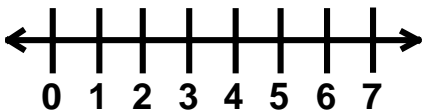
34. $y + 2 > 6$



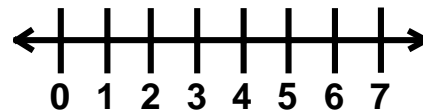
35. $p + 3 > 6$



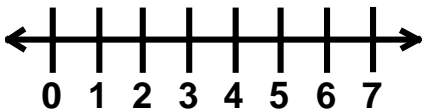
36. $s - 2 < 5$



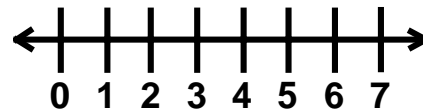
37. $y + 2 < 7$



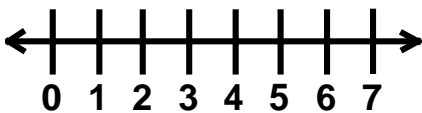
38. $p + 1 > 3$



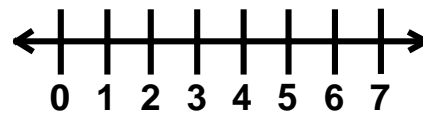
39. $r + 4 < 7$



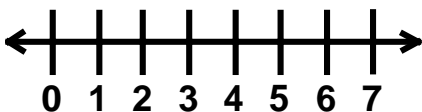
40. $y - 2 < 3$



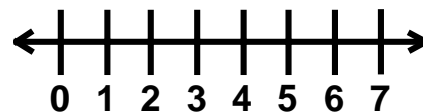
41. $p + 1 > 5$



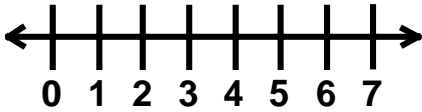
42. $y + 1 \geq 4$



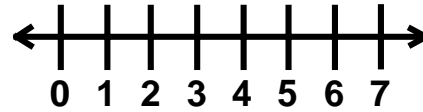
43. $p - 1 \leq 3$



44. $r + 2 \leq 4$



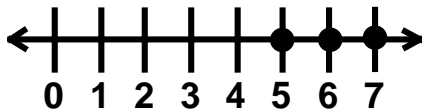
45. $p + 3 \geq 4$



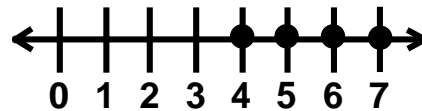
Answers: Skill 16C Grade 4

1. c	2. c	3. a	4. b	5. c	6. c
7. d	8. c	9. b	10. d	11. c	12. b
13. b	14. b	15. d	16. a	17. c	18. a
19. b	20. a	21. b	22. b	23. c	24. d
25. c	26. b	27. c	28. a	29. d	30. a
31. c	32. c	33. completed on page 3			

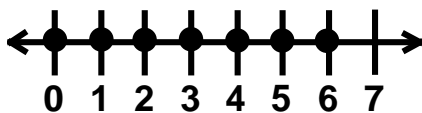
34. $y + 2 > 6$



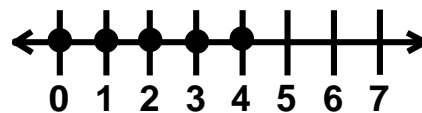
35. $p + 3 > 6$



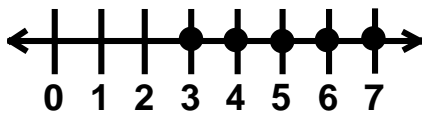
36. $s - 2 < 5$



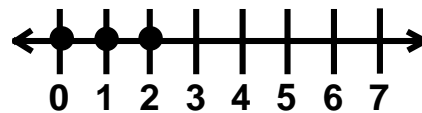
37. $y + 2 < 7$



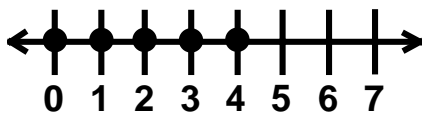
38. $p + 1 > 3$



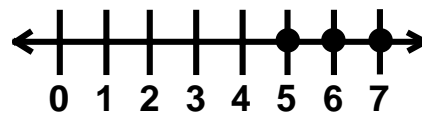
39. $r + 4 < 7$



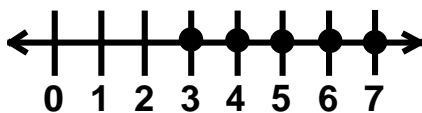
40. $y - 2 < 3$



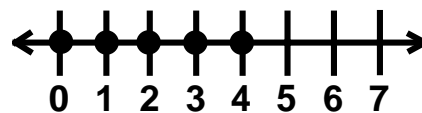
41. $p + 1 > 5$



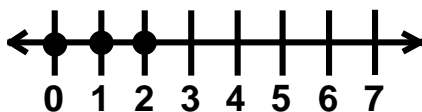
42. $y + 1 \geq 4$



43. $p - 1 \leq 3$



44. $r + 2 \leq 4$



45. $p + 3 \leq 4$

