NAME _____ DATE _____ PERIOD _____

Lesson 6 Skills Practice

Inequalities

Write an inequality for each sentence.

1. More than 100,000 fans attended the opening football game at The Ohio State University.

2. Her earnings at \$16 per hour were no more than \$96.

3. A savings account decreased by \$50 is now less than \$740.

4. A number increased by 7 is at least 45.

For the given value, state whether each inequality is *true* or *false*.

5. $\frac{18}{c} < 9, c = 2$

6. $\frac{x}{5} \geq 3, x = 5$

7. $6k \geq 42, k = 7$

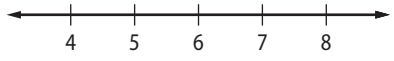
8. $10 - x < 3, x = 7$

9. $11 + n < 32, n = 4$

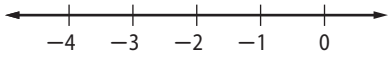
10. $9 + c > 19, c = 10$

Graph each inequality on a number line.

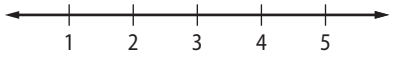
11. $a < 6$



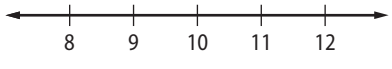
12. $t \geq -2$



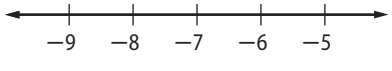
13. $d \leq 3$



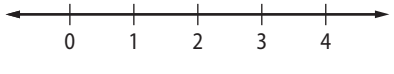
14. $b \geq 10$



15. $x \geq -7$



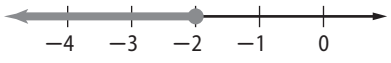
16. $x > 2$



Write an inequality for each graph.

17.

18.



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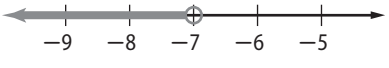

20.

21.

22.

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NAME _____ DATE _____ PERIOD _____

Lesson 6 Skills Practice

Inequalities

Write an inequality for each sentence.

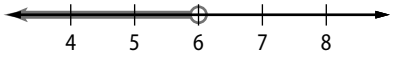
1. More than 100,000 fans attended the opening football game at The Ohio State University. **$f > 100{,}000$**
2. Her earnings at \$16 per hour were no more than \$96. **$16h \leq 96$**
3. A savings account decreased by \$50 is now less than \$740. **$s - 50 < 740$**
4. A number increased by 7 is at least 45. **$n + 7 \geq 45$**

For the given value, state whether each inequality is *true* or *false*.

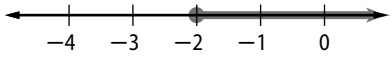
5. $\frac{18}{c} < 9,\ c = 2$ **false**
6. $\frac{x}{5} \geq 3,\ x = 5$ **false**
7. $6k \geq 42,\ k = 7$ **true**
8. $10 - x < 3,\ x = 7$ **false**
9. $11 + n < 32,\ n = 4$ **true**
10. $9 + c > 19,\ c = 10$ **false**

Graph each inequality on a number line.

11. $a < 6$

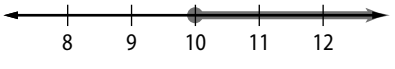


12. $t \geq -2$

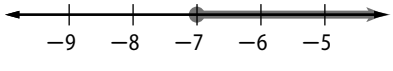


13. $d \leq 3$

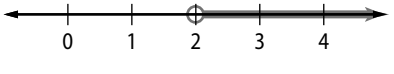
14. $b \geq 10$



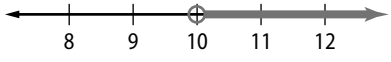
15. $x \geq -7$



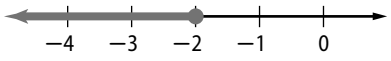
16. $x > 2$



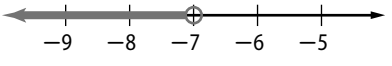
Write an inequality for each graph.

17. 

$x > 10$

18. 

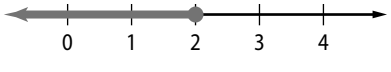
$x \leq -2$

19. 

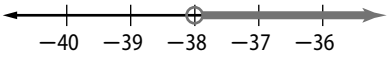
$x < -7$

20.

$x \geq 6$

21. 

$x \leq 2$

22. 

$x > -38$

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