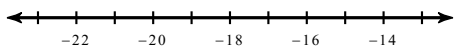


Unit 3 PRACTICE QUIZ

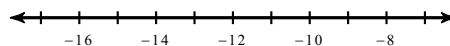
Date _____ Block _____

Solve each inequality and graph its solution.

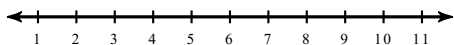
1) $-20 < -4 + x$



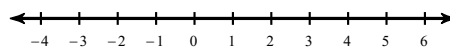
2) $-1 > x + 12$



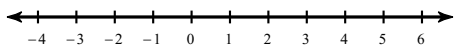
3) $-2 < r - 9$



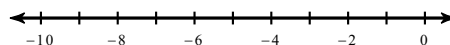
4) $-\frac{3}{4}x > -3$



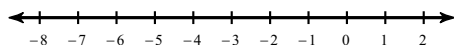
5) $-4 + 6k > -4 + 6k$



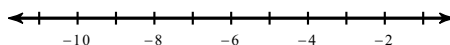
6) $7 + 5b \geq 11 + 6b$



7) $-(2 - 2a) + 4 \geq 2a + 2$

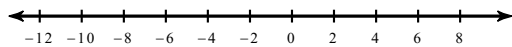


8) $-5(n + 7) < 28 + 4n$

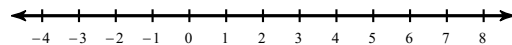


Solve each compound inequality and graph its solution.

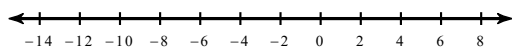
9) $-6m > 54$ or $-3m \leq -18$



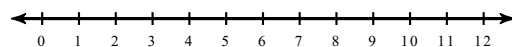
10) $k + 2 > 0$ and $\frac{k}{5} \leq 0$



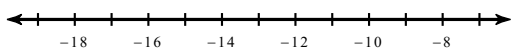
11) $2a - 1 \leq -21$ or $7a - 4 > 31$



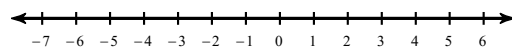
12) $4 - 4r \leq -4$ and $3r - 5 < 13$



13) $8b - 10 \leq 9b + 1$ or $-3b - 4 \leq 2b - 4$



14) $6p + 1 < 2p + 9$ and $7 - p > 8 - p$



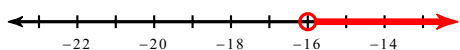
- 15) Polly is in charge of purchasing glow bands for the Glow Run. Her budget is \$50. She can purchase glow bands for \$0.37 each and pay a flat-rate shipping fee of \$4.95. Describe the possible number of glow bands Polly can buy.

Unit 3 PRACTICE QUIZ

Date _____ Block _____

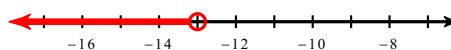
Solve each inequality and graph its solution.

1) $-20 < -4 + x$



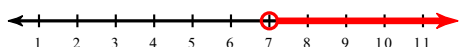
$x > -16$

2) $-1 > x + 12$



$x < -13$

3) $-2 < r - 9$



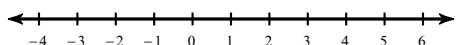
$r > 7$

4) $-\frac{3}{4}x > -3$



$x < 4$

5) $-4 + 6k > -4 + 6k$



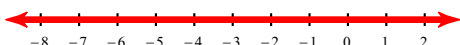
No solution.

6) $7 + 5b \geq 11 + 6b$



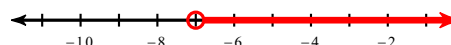
$b \leq -4$

7) $-(2 - 2a) + 4 \geq 2a + 2$



{ All real numbers. }

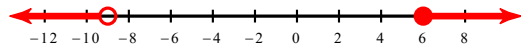
8) $-5(n + 7) < 28 + 4n$



$n > -7$

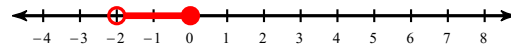
Solve each compound inequality and graph its solution.

9) $-6m > 54$ or $-3m \leq -18$



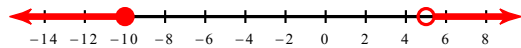
$m < -9$ or $m \geq 6$

10) $k + 2 > 0$ and $\frac{k}{5} \leq 0$



$-2 < k \leq 0$

11) $2a - 1 \leq -21$ or $7a - 4 > 31$



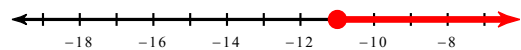
$a \leq -10$ or $a > 5$

12) $4 - 4r \leq -4$ and $3r - 5 < 13$



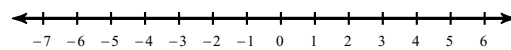
$2 \leq r < 6$

13) $8b - 10 \leq 9b + 1$ or $-3b - 4 \leq 2b - 4$



$b \geq -11$

14) $6p + 1 < 2p + 9$ and $7 - p > 8 - p$



No solution.

- 15) Polly is in charge of purchasing glow bands for the Glow Run. Her budget is \$50. She can purchase glow bands for \$0.37 each and pay a flat-rate shipping fee of \$4.95. Describe the possible number of glow bands Polly can buy.