



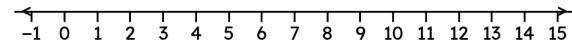
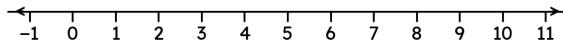
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Date: _____

Unit 3 – Compound Inequalities – Mixed

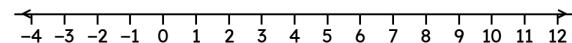
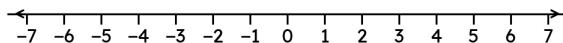
1. $5 < 3x - 4 < 17$

2. $4 < 2x - 2 < 20$



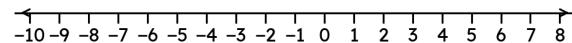
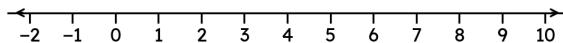
3. $3x + 1 < -8$ or $3x + 1 > 10$

4. $2x + 8 < 8$ or $2x + 8 > 24$



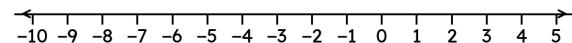
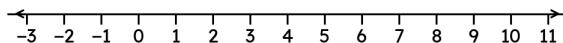
5. $2 < 4x - 6 < 18$

6. $4x - 4 < -28$ or $4x - 4 > 12$



7. $6 \leq 3x + 3 \leq 24$

8. $3x + 2 \leq -16$ or $3x + 2 \geq 5$





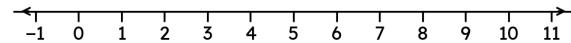
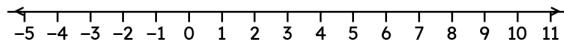
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Unit 3 – Compound Inequalities – Mixed

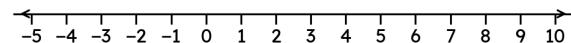
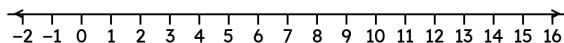
9. $-7 \leq 3x - 4 \leq 17$

10. $10 \leq 2x + 4 \leq 18$



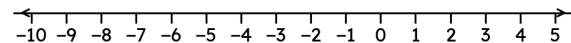
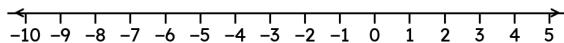
11. $3x + 8 \leq 14$ or $3x + 8 \geq 44$

12. $-3 < 2x - 1 < 11$



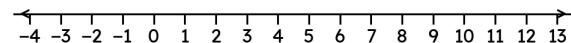
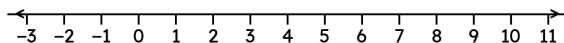
13. $3x - 4 < -22$ or $3x - 4 > -1$

14. $-31 < 5x - 1 < 4$



15. $5x - 8 < -3$ or $5x - 8 > 27$

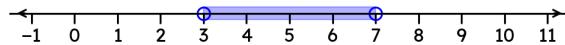
16. $3x - 7 \leq -7$ or $3x - 7 \geq 20$





Unit 3 – Compound Inequalities – Mixed – Answer Key

1. $5 < 3x - 4 < 17$



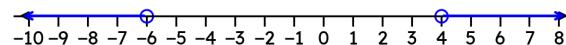
5. $2 < 4x - 6 < 18$



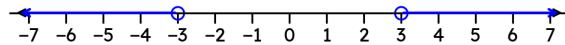
2. $4 < 2x - 2 < 20$



6. $4x - 4 < -28$ or $4x - 4 > 12$



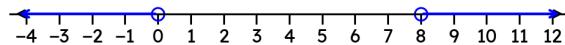
3. $3x + 1 < -8$ or $3x + 1 > 10$



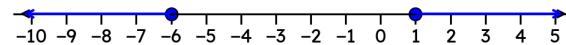
7. $6 \leq 3x + 3 \leq 24$



4. $2x + 8 < 8$ or $2x + 8 > 24$



8. $3x + 2 \leq -16$ or $3x + 2 \geq 5$



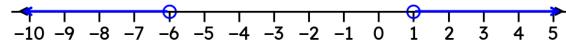


Unit 3 – Compound Inequalities – Mixed – Answer Key

9. $-7 \leq 3x - 4 \leq 17$



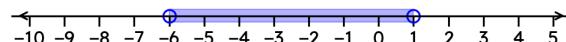
13. $3x - 4 < -22$ or $3x - 4 > -1$



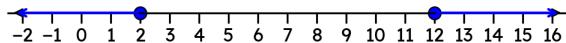
10. $10 \leq 2x + 4 \leq 18$



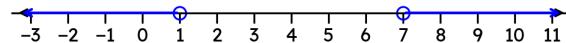
14. $-31 < 5x - 1 < 4$



11. $3x + 8 \leq 14$ or $3x + 8 \geq 44$



15. $5x - 8 < -3$ or $5x - 8 > 27$



12. $-3 < 2x - 1 < 11$



16. $3x - 7 \leq -7$ or $3x - 7 \geq 20$

