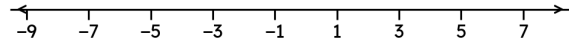# Algebra 1 - Unit 3 - Compound Inequalities - AND (Challenge)

1. $-21 \leq -3x - 9 \leq 3$
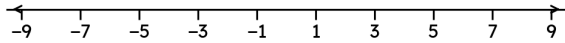
2. $-4 < -3x + 5 < 17$
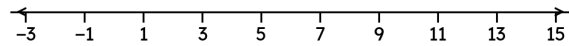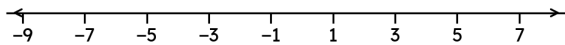

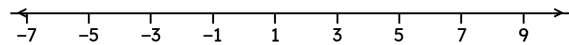
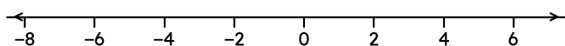3. $-22 \leq -4x - 2 \leq 2$
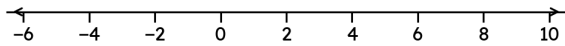
4. $-36 \leq -4x + 4 \leq -4$
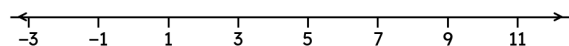

5. $-21 \leq 3x - 9 \leq 0$

6. $-29 < -4x - 9 < -1$

7. $-19 \leq 5x - 4 \leq 6$

8. $2 \leq 3x - 4 \leq 17$
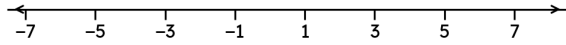
Algebra 1 - Unit 3 - Compound Inequalities - AND (Challenge)

9. $-1 < 3x + 5 < 14$
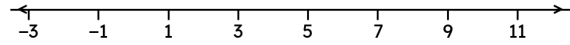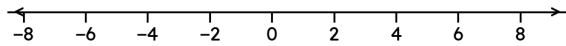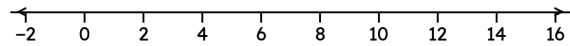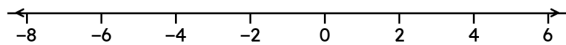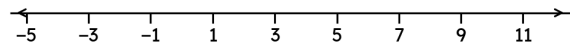
```
←|——|——|——|——|——|——|——|——|→
 −7  −5  −3  −1  1   3   5   7
```

10. $8 \leq 4x + 0 \leq 28$

```
←|——|——|——|——|——|——|——|——|→
 −3  −1  1   3   5   7   9   11
```

11. $-16 \leq 4x - 4 \leq 12$

```
←|——|——|——|——|——|——|——|——|→
 −8  −6  −4  −2  0   2   4   6   8
```

12. $23 < 5x + 8 < 63$

```
←|——|——|——|——|——|——|——|——|——|→
 −2  0   2   4   6   8   10  12  14  16
```

13. $-6 \leq 4x + 6 \leq 10$

```
←|——|——|——|——|——|——|——|——|→
 −8  −6  −4  −2  0   2   4   6
```

14. $-21 < -4x + 7 < 7$

```
←|——|——|——|——|——|——|——|——|→
 −5  −3  −1  1   3   5   7   9   11
```

15. $-8 \leq -2x - 4 \leq 0$

```
←|——|——|——|——|——|——|——|——|→
 −7  −5  −3  −1  1   3   5   7
```

16. $-26 \leq -4x - 2 \leq 6$

```
←|——|——|——|——|——|——|——|——|→
 −7  −5  −3  −1  1   3   5   7   9   11
```
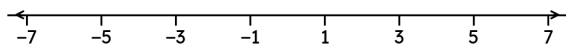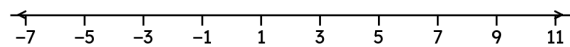
1. $-21 \leq -3x - 9 \leq 3$
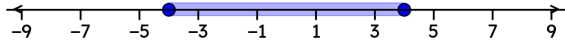
5. $-21 \leq 3x - 9 \leq 0$
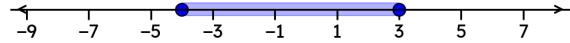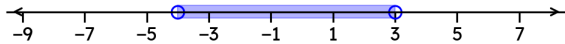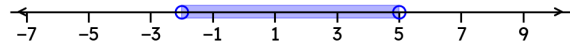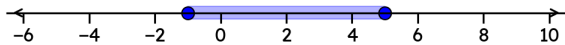
2. $-4 < -3x + 5 < 17$

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4. $-36 \leq -4x + 4 \leq -4$

8. $2 \leq 3x - 4 \leq 17$

9. -1 < 3x + 5 < 14

13. -6 ≤ 4x + 6 ≤ 10

10. 8 ≤ 4x + 0 ≤ 28

14. -21 < -4x + 7 < 7
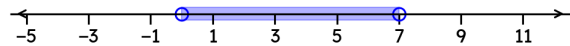
11. -16 ≤ 4x - 4 ≤ 12
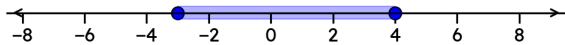
15. -8 ≤ -2x - 4 ≤ 0

12. 23 < 5x + 8 < 63

16. -26 ≤ -4x - 2 ≤ 6