Yee-haw! Cowboy inequalities

A cowboy went on a trip on Friday, stayed three days,

and came back on Friday. How is that possible?

For numbers 1-8, solve the inequality. For numbers 9 – 16, graph the inequalities. Match the answer with the problem number to solve the riddle!

1. -2x > 30

5. 3x + 1 < -11

9. x > -3

13. x < 4

2. x + 3 < 12

6. $\frac{x}{2} + 9 \le 10$

10. x < -2

14. x > 5

3. -9x < 81

7. 6 - 3×≥3

11. x ≤ 6

15. x≥9

4. $2x - 7 \ge 3$

8. 8 - $\frac{x}{3}$ > 11

12. x ≤ -2

16. x ≤ 4

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x ≤ 2	x < -15	← 1	3 4 5 6 7 8 9 10
S	H	P	
x < -4	x ≥-3	6 7 8 9 10 11 12 13 14	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
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x > -9	x < -9	← 1 0 1 2 3 4 5 6 7	\[\begin{picture} 1 & 1 & 1 & \displication \dintication \displication \dintication \dintication \displication \displication \displicat
A	M	D	R
x ≤ -8	x ≤ 1	-7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7	$\begin{array}{c ccccccccccccccccccccccccccccccccccc$
S	D	S	F
x ≥ 5	x < 9	-7 -6 -5 -4 -3 -2 -1 0 1 2 3 4 5 6 7	€ 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
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