Which Arctic Animals Love Math?

Solve each equation or inequality. Cross out the letter next to your solution. When you finish, the answer to the title question will remain.

1. $|x + 5| = 12$
2. $|2n - 7| = 3$
3. $|9 + 3a| = 15$
4. $|16 - 5y| = 4$
5. $8|k - 15| = 24$
6. $7|4d + 9| = 77$
7. $|x| \geq 2$
8. $|x| < 5$
9. $|x - 3| \geq 10$
10. $|2x + 5| \geq 11$
11. $|x + 7| < 20$
12. $|3x - 6| < 15$
13. $|8p + 1| + 3 = 12$
14. $4|9 - 3b| = 36$
15. $|6 - 2y| > 14$
16. $|7y - 1| \leq 15$
17. $3|y + 4| - 10 > -1$
18. $|5 - y| \leq 16$

Answers 1-6

2, 4	
12, 18	
7, −17	
−5, 18	
2, −8	
$\frac{1}{2}$, −5	
−5, $2\frac{2}{5}$	
$2\frac{2}{5}$, 4	
2, 5	

Answers 7-12

$-5 < x < 5$	
$-27 < x < 13$	
$-5 < x < 9$	
$x \leq -2$ or $x \geq 2$	
$-3 < x < 7$	
$x \leq -8$ or $x \geq 3$	
$x \leq -5$ or $x \geq 12$	
$-24 < x < 11$	
$x \leq -7$ or $x \geq 13$	

Answers 13-18

$-2 \leq y \leq 2\frac{2}{7}$	
$-15 \leq y \leq 24$	
1, $-1\frac{1}{4}$	
$y < -7$ or $y > -1$	
1, 6	
$y < -4$ or $y > 10$	
$-11 \leq y \leq 21$	
$y < -5$ or $y > 2$	
0, 6	

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