Multi-Step Inequalities

Math Gecko #132

Name _____

Period _____ Date _____

Solve each inequality and match each number with the appropriate letter to solve the riddle.
(NOTE: Not all inequalities have a matching answer.)

How do crazy people go through the forest?

1. $x+5\geq 10$
2. $3y-12\leq 18$
3. $x-1>3x+17$
4. $-6x<-42$
5. $5x+9\leq -7x$
6. $0.2-0.4y<0.2y$
7. $14+3x<2$
8. $-y\leq -11$
9. $-10+4x>-x+20$
10. $12y\geq -72$
11. $9x-4<16x-32$
12. $2(y-3)\leq -8$

A. $y\leq 10$

B. $x<6$

C. $x\geq 5$

D. $y\leq 10$

E. $y>\frac{1}{3}$

F. $x\geq 15$

G. $y\geq 15$

H. $y\leq -1$

I. $x>-5$

J. $y<2$

K. $x>7$

L. $y<\frac{1}{3}$

M. $x>-\frac{9}{2}$

N. $x<7$

O. $y\geq 11$

P. $y\geq -6$

Q. $x\geq -\frac{3}{4}$

R. $x<-8$

S. $x>6$

T. $x<-9$

U. $y<-11$

V. $y>10$

W. $y<11$

X. $y<-1$

Y. $x\leq -\frac{3}{4}$

space. $x>4$

3	12	6	5	11	3	2	4	6	11	3	12	6	11	10	9	5	1	12	8	11	10	2	3	12