

# Why Did The Kangaroo See A Psychiatrist?



Find the graph of the solution set of any inequality below in the corresponding column of graphs. Notice the letter next to it. Write this letter in each box that contains the number of that exercise. Keep working and you will discover the answer to the title question.

① $x < 1$	⑨ $x \geq -2$	⑩ $x < -1$	⑪ $-1 < x$	⑫ $3 \geq x$	⑬ $x < 3$	⑭ $x \neq 0$	⑮ $0 \leq x$	⑯ $0 \geq x$	⑰ $0 < x$	⑱ $0 > x$
② $x \leq 1$	⑩ $x < -1$	⑪ $-1 < x$	⑫ $3 \geq x$	⑬ $x < 3$	⑭ $x \neq 0$	⑮ $0 \leq x$	⑯ $0 \geq x$	⑰ $0 < x$	⑱ $0 > x$	
③ $x > 1$	⑪ $-1 < x$	⑫ $3 \geq x$	⑬ $x < 3$	⑭ $x \neq 0$	⑮ $0 \leq x$	⑯ $0 \geq x$	⑰ $0 < x$	⑱ $0 > x$		
④ $x \geq 1$	⑫ $3 \geq x$	⑬ $x < 3$	⑭ $x \neq 0$	⑮ $0 \leq x$	⑯ $0 \geq x$	⑰ $0 < x$	⑱ $0 > x$			
⑤ $x \neq 1$	⑬ $x < 3$	⑭ $x \neq 0$	⑮ $0 \leq x$	⑯ $0 \geq x$	⑰ $0 < x$	⑱ $0 > x$				
⑥ $x < -2$	⑮ $0 \leq x$	⑯ $0 \geq x$	⑰ $0 < x$	⑱ $0 > x$						
⑦ $x > -2$	⑰ $0 < x$	⑱ $0 > x$								
⑧ $x \leq -2$	⑱ $0 > x$									
⑨ $x \geq -2$										

6	16	15	13	11	1	16	7	16	1	15	6	4	6	16	15	5	9	12	16	16	8	2	11	3	9	13	18	10	17	14	4
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# Home work

Name \_\_\_\_\_  
Date \_\_\_\_\_ Period \_\_\_\_\_

**Directions: Write an inequality for each situation in the box.**

Dominic had to make more than  $4\frac{3}{4}$  cups of salsa for his class party.

Desiree has no less than \$75 in her pocket.

Garry can win fewer than 50 tickets from an arcade game.

In order to train for a marathon, George has to run a minimum of 30 miles a week.

Shannon rode her bike for 6.7 miles this morning. It is her goal to ride at least 15 miles today. Write an inequality showing her goal.

Wendy is going scuba diving for the first time. It is recommended that beginner divers do not go below 40 feet on their first dive.

The maximum speed you can travel on I-97 is 65 mph.

Mrs. Math needed at most 30 students to participate in her after math club.

John wants to buy an MP3 player that costs less than \$50.