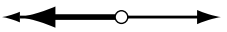
LESSON 6-1

Reading Strategies

Connecting Words and Symbols

To write and graph inequalities, you must connect words with symbols. Look at the information in the table below.

Symbol	Words	Graph
$<$	"less than"	
$\leq$	"less than or equal to" "no more than" "at most"	
$>$	"greater than"	
$\geq$	"greater than or equal to" "no less than" "at least"	

Answer each question.

1. What are three ways to say $x \geq 5$ in words?

x is greater than or equal to 5;

x is at least 5;

x is no less than 5

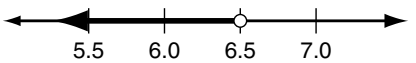
2. Does the graph of $p > 8$ have an empty circle or a solid circle? Why?

empty; because the value 8 is not a solution

3. Draw the graph of $m \leq -2$.



4. Write the inequality that represents the graph, once with symbols and once with words.

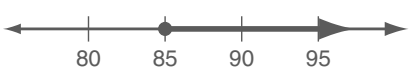


t < 6.5

t is less than 6.5

5. Mitchell's goal is to get a grade *g* of at least 85% on his next Algebra quiz. Translate these words into symbols. Then graph the inequality.

g ≥ 85

graph: 

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