

Independent Practice

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Write an inequality for each sentence. (Examples 1–3)

1. Swim practice will be no more than 35 laps. _____

2. Kevin ran for less than 5 miles. _____

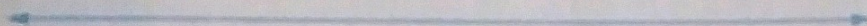
3 The occupancy of the room must be less than 437 people. _____

Graph each inequality on a number line. (Examples 4 and 5)

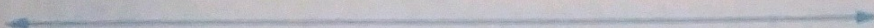
4. $f > 1$



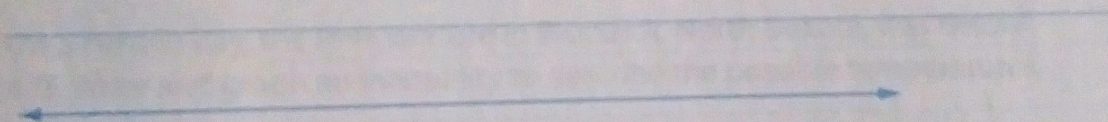
5. $x \leq 5$



6. $y \geq 4$



7 A rewritable compact disc must have less than 20 songs on it. Write and graph an inequality to describe how many songs can be on the disc. (Example 6)



8. **MP Be Precise** Fill in the information in the table. The first is done for you.

Symbol	Words	Open or closed dot on number line?
$>$	greater than	open dot
	greater than or equal to	
	less than	
\leq		