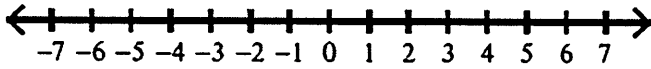


"I Can Write an Inequality and Graph the Solution Set on a Number Line to Represent a condition in a Real-World Situation."

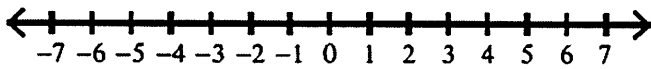
Graphing Inequalities



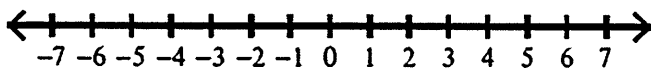
1. $x > 4$



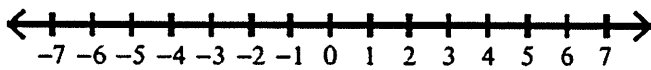
2. $x < -3$



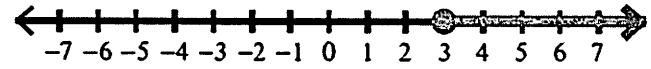
3. $x \geq -6$



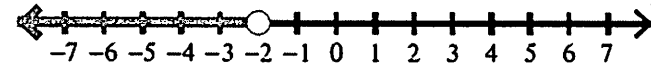
4. $x \leq 2$



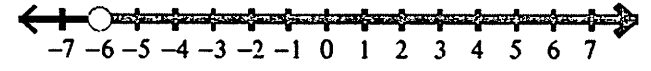
5. _____



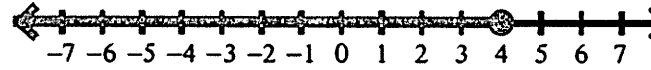
6. _____



7. _____



8. _____



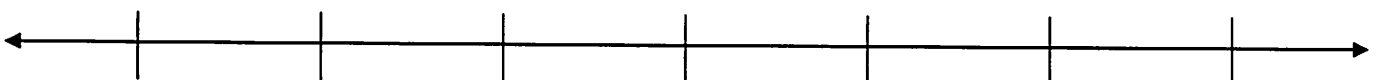
4. The temperature in a refrigerated truck must be kept at or above 38° F. _____



5. You should use a light bulb of no more than 60 watts in this light fixture. _____



6. A rewritable CD must have less than 20 songs on it. _____



1. Luisa works at a gift shop. She receives a bonus if she sells at least 20 balloon bouquets in a month.

Write and Graph an Inequality to represent the number of bouquets Luisa must sell to receive her bonus.



Balloon Sales	
Month	Number Sold
July	25
August	12
September	18
October	32

Which months did Luisa receive a bonus? _____

2. Mrs. Crane recorded the number of sandwiches sold in her deli on one day. If she sells more than 25 of a type of sandwich, she orders more meat from the butcher.

Write and Graph an Inequality to represent the number of sandwiches Mrs. Crane would sell and then call the butcher for more of that meat.



Sandwich Sales	
Sandwich	Number Sold
Club	25
Ham	30
Roast Beef	22
Turkey	28

Which Meat will need to be ordered? _____

2. Pedro subscribes to a service where he can download up to five free ringtones each month. Each ringtone after that costs \$3.50 each.

Write and Graph an Inequality to represent the number of songs Pedro can download for free each month.



Month	Ringtones
January	5
February	6
March	4
April	8
May	5
June	4

During which months did Pedro exceed the plan? _____

How much is Pedro's additional cost in 6 months? _____

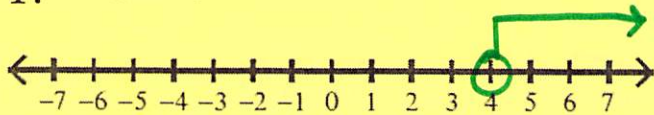
"I Can Write an Inequality and Graph the Solution Set on a Number Line to Represent a condition in a Real-World Situation."

Graphing Inequalities

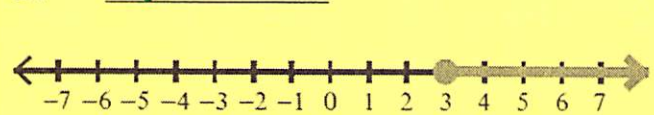
○ → $>$, $<$

● → \geq , \leq

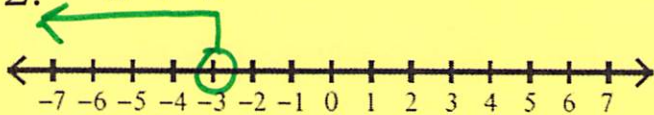
1. $x > 4$



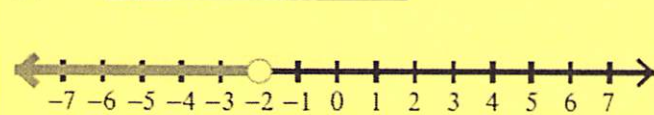
5. $x \geq 3$



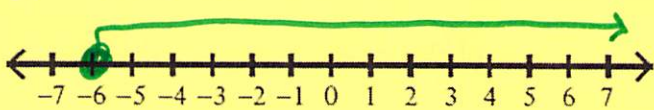
2. $x < -3$



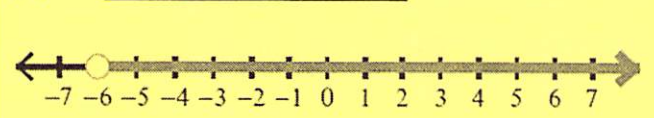
6. $x < -2$



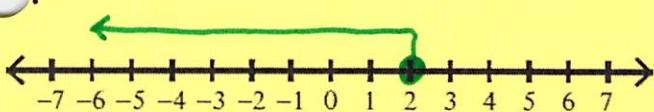
3. $x \geq -6$



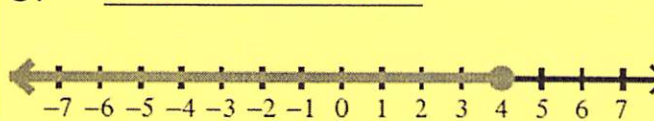
7. $x > -6$



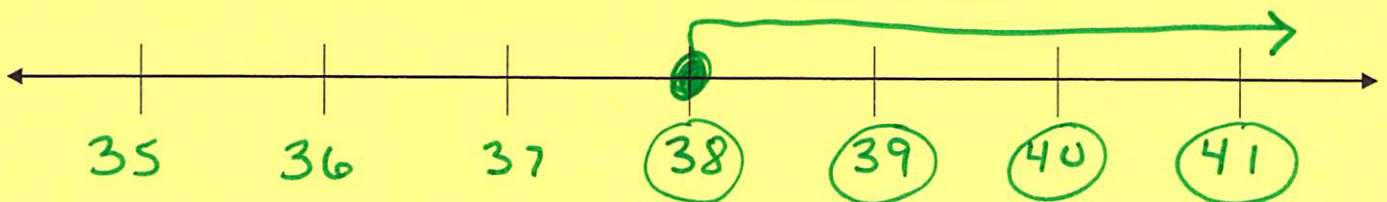
4. $x \leq 2$



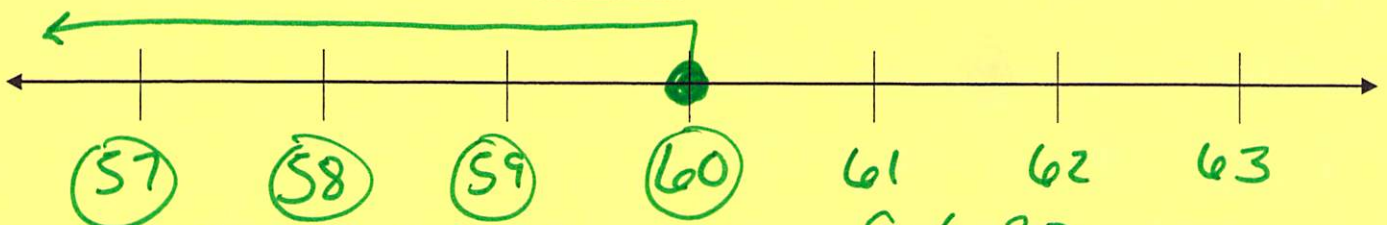
8. $x \leq 4$



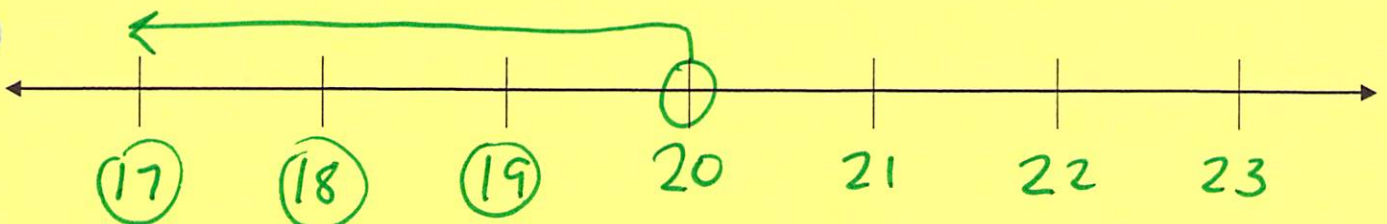
4. The temperature in a refrigerated truck must be kept at or above 38° F. $t \geq 38$



5. You should use a light bulb of no more than 60 watts in this light fixture. $w \leq 60$



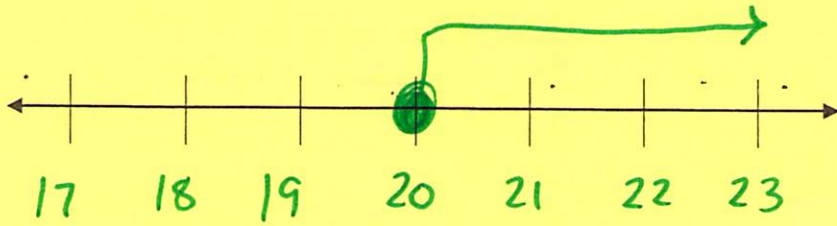
6. A rewritable CD must have less than 20 songs on it. $s < 20$



1. Luisa works at a gift shop. She receives a bonus if she sells at least 20 balloon bouquets in a month.

Write and Graph an Inequality to represent the number of bouquets Luisa must sell to receive her bonus.

Balloon Sales	
Month	Number Sold
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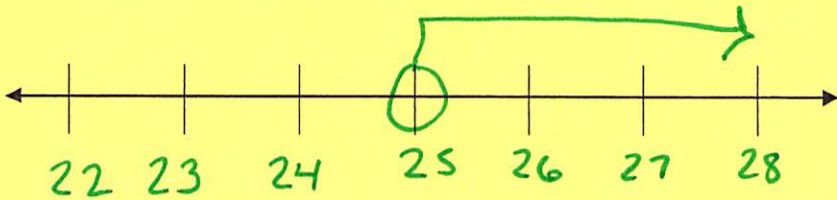


Which months did Luisa receive a bonus? July, October

2. Mrs. Crane recorded the number of sandwiches sold in her deli on one day. If she sells more than 25 of a type of sandwich, she orders more meat from the butcher.

Write and Graph an Inequality to represent the number of sandwiches Mrs. Crane would sell and then call the butcher for more of that meat.

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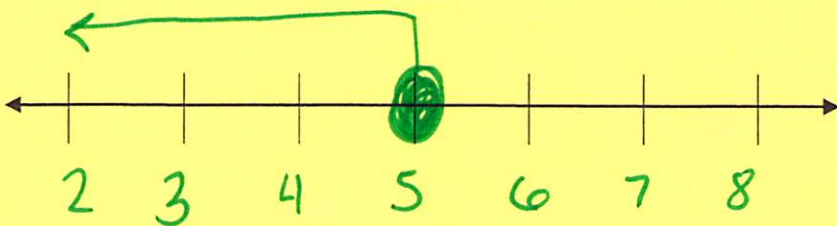


Which Meat will need to be ordered? Ham, Turkey

2. Pedro subscribes to a service where he can download up to five free ringtones each month. Each ringtone after that costs \$3.50 each.

Write and Graph an Inequality to represent the number of songs Pedro can download for free each month.

Month	Ringtones
January	5
February	6
March	4
April	8
May	5
June	4



During which months did Pedro exceed the plan? February, April

How much is Pedro's additional cost in 6 months? $3 \times \$3.50 = \10.50