Name: _____ Date: _____

Ms. Napolitano Activity: 6.2

Topic: Equations

Lesson 19

Homework(Day 3) MIT/UCLA

Solve the one-step equations:

$x - 4 = 1$	$y + 3 = 9$
$3g = 15$	$\frac{r}{2} = 9$
$z + 5 = 6$	$4v = 20$
$k - 2 = 4$	$\frac{h}{5} = 1$

Name: _____ Date:_____

Ms. Napolitano Activity #: _____

Topic: Inequality

Homework Day 3

1. Which statement describes every number that is a solution to the inequality $6t > 48$?

A It has a value greater than 8.

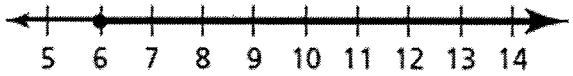
B It has a value less than 8.

C It has a value equal to 8.

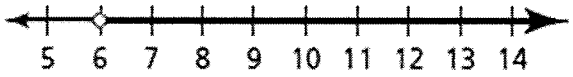
D Its value is 8 greater than 48.

2. Ava spent 3 hours yesterday practicing the piano. She is going to spend at least 3 hours practicing today. Which number line models the total amount of time Ava will practice piano in all?

A



B



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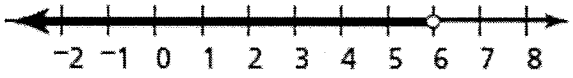

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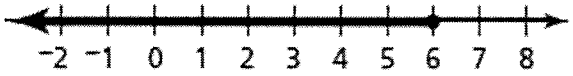


3. Guests must be at least $42\frac{1}{2}$ inches tall to go on an amusement park ride. Which inequality represents the heights of the guests allowed on the ride?

A $h \geq 42\frac{1}{2}$

B $h > 42\frac{1}{2}$

C $h \geq 43$

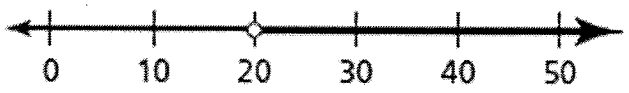
D $h > 43$

Consider the statement below.

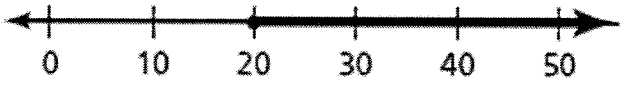
4. *More than 20 students participated in a drawing competition.*

Which number line ***best*** represents the statement?

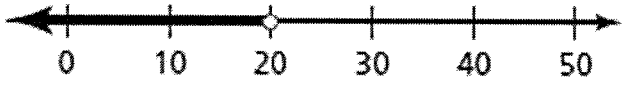
A



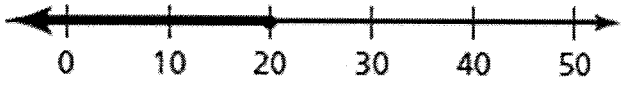
B



C



D



5. A topographic map of the park in Wolf Basin lists the elevation of the park ranger station as -21 feet and the elevation of the park visitor center as -29 feet. Which statement is true?

A Since $-29 < -21$, the park ranger station is at a higher elevation than the park visitor center.

B Since $-29 > -21$, the park ranger station is at a higher elevation than the park visitor center.

C Since $-29 < -21$, the park visitor center is at a higher elevation than the park ranger station.

D Since $-29 > -21$, the park visitor center is at a higher elevation than the park ranger station.