

STATION 1

I can write an inequality statement and verbal description.

Write an inequality statement to represent the situation below.

A	Sam owes at least \$12.	B	You must be under 18 years old to play in the youth league.
C	In order to drive you must be 16 years old.	D	A commercial can last no longer than 30 seconds.
E	The fire code states the maximum capacity is 138 people.	F	An elevator can hold up to 865 pounds.

Write a verbal description to represent the inequality below.

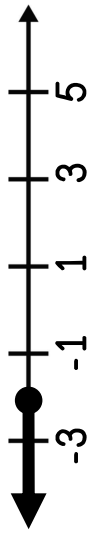
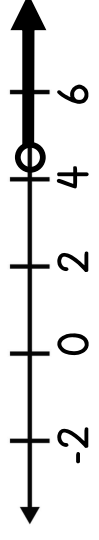
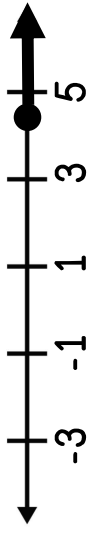



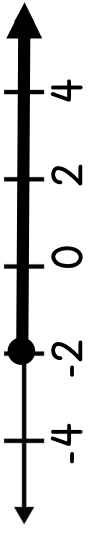
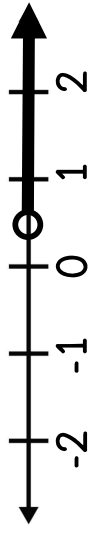
G	$p < 1.85$	H	$10 > g$
I	$200 \leq m$	J	$t \geq 15$
K	$k > -5$	L	$r < -\frac{1}{2}$

STATION 2

I can represent solutions to inequalities on number lines.

Match the inequality on the left with the correct graph on the right.

1	$b > 4.5$
2	$-5 < n$
3	$-2 \leq r$
4	$\frac{1}{2} > g$
5	$t \leq -2$
6	$k > \frac{1}{2}$
7	$d \geq 4.5$
8	$w \geq -5$

A	
B	
C	
D	
E	
F	
G	
H	

STATION 3

I can solve one-step inequalities.

Solve each of the following one-step inequalities.

A

$$8.2x > 49.2$$

B

$$29.3 + x \geq 10$$

C

$$16 > 5x$$

D

$$200 \leq x - 165$$

E

$$\frac{x}{3} > 11.2$$

STATION 4

I can solve two-step inequalities.

Solve each of the following two-step inequalities.

A

$$6.5 + 2x < -11.3$$

B

$$1.5x - 15 \geq -12$$

C

$$12 < 6 + \frac{1}{2}x$$

D

$$-27 \leq 3x - 15$$

E

$$\frac{x}{3} - 10 > -8$$

STATION 5

I can solve and graph inequalities.

Solve each of the following inequalities. Then, graph the solution on your recording sheet.

A $-x > 7.5$	B $10 > \frac{x}{-2}$
C $20 - x \leq 30$	D $-\frac{2}{3}x + 6 \geq 10$

Answer the following questions.

1. How does dividing by a negative number impact the solution?
2. How is $-3x < 21$ different than $3x < -21$?

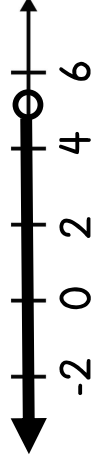
STATION 6

I can solve and graph two-step inequalities.

Determine whether the students below solved the inequality correctly.
Correct their mistake if they have an error.

JASON

$$\begin{aligned}5.6x - 10 &< 18 \\ 5.6x &< 28 \\ x &< 5\end{aligned}$$



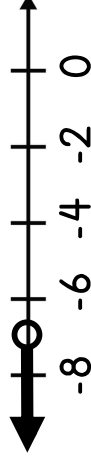
JASMINE

$$\begin{aligned}-6x - 8.2 &\leq 16.4 \\ -6x &\leq 24.6 \\ x &\leq 4.1\end{aligned}$$



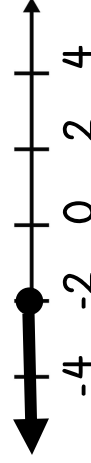
JERRY

$$\begin{aligned}3x + 7 &< -14 \\ 3x &< -21 \\ x &< -7\end{aligned}$$



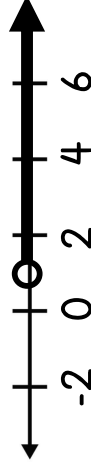
JANELLE

$$\begin{aligned}-2x + 3.5 &\geq 7.5 \\ -2x &\geq 4 \\ x &\leq -2\end{aligned}$$



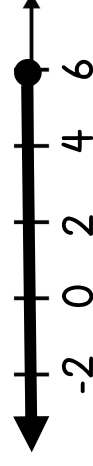
JEFFERY

$$\begin{aligned}\frac{1}{2}x + 20 &> 22 \\ \frac{1}{2}x &> 2 \\ x &> 1\end{aligned}$$



JACQUELINE

$$\begin{aligned}14 - x &\leq 20 \\ x &\leq 6\end{aligned}$$



STATION 1

I can write and solve inequalities.

Write an inequality statement to represent each problem below. Then, solve the inequality. Round to the nearest tenth.

1

Brett needs to read at least 200 minutes this week. If he has already read 65 minutes, then how many minutes should he read on each of the 4 remaining days this week?

2

Raquel has a \$40.00 game card that she can spend at the arcade. She has already bought a laser tag ticket for \$12.00, and she wants to play \$2.00 games with the leftover money on the card. How many games can she play?

3

Jeff has a savings account with \$300.00 in it. Every month, he withdraws \$15.00 to pay for his music subscription. What is the maximum number of months that Jeff can withdraw the money without allowing his account to drop below \$140.00?

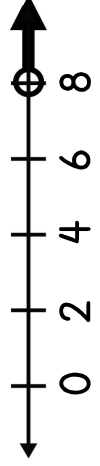
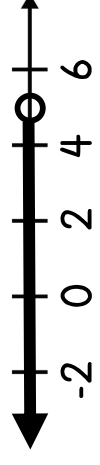

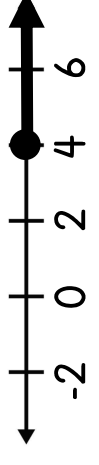
4

Natalie has \$15.00 to spend at the movie theater. She buys a popcorn for \$5.75, and she wants to purchase candy, which costs \$2.25 each. How many boxes of candy can Natalie purchase?

8 STATISTICS

I can write, solve, and graph inequalities.

Match each word problem to the graph that best represents its solution. Round to the nearest tenth.

<p>1</p> <p>Hank was paid \$40 to chop firewood and makes \$30 per week dog walking. How many weeks does he need to walk dogs in order to earn more than \$280?</p>	<p>2</p> <p>An annual pass to the local zoo is \$46.00. The daily pass is \$11.50. How many times would you need to visit the zoo during the year in order to make the annual pass a better deal?</p>
<p>3</p> <p>Mr. Parks has driven 55 miles of a 300 mile trip. If he is traveling at or below the 70 mile per hour speed limit, how much longer can Mr. Parks expect the trip to last?</p>	<p>4</p> <p>A tennis racquet costs \$43.75 and a can of tennis balls costs \$3.25. How many cans of tennis balls can you buy along with a tennis racquet and be under your \$60.00 budget?</p>
<p>A</p> 	<p>B</p> 
<p>C</p> 	<p>D</p> 

INEQUALITIES UNIT REVIEW STATIONS

Show all your work in the appropriate box below.

STATION 1

A	B
C	D
E	F
G	H
I	J
K	L

STATION 2

1
2
3
4
5
6
7
8





STATION 3

A	B
C	D
E	

STATION 4

A	B
C	D
E	

STATION 5

A 	B 
C 	D 
1. _____ 2. _____	

STATION 6

JASON	JASMINE	JERRY
JANELLE	JEFFERY	JACQUELINE

STATION 7

1	2
3	4

STATION 8

1	2
3	4