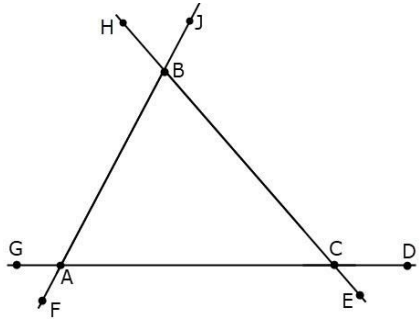


### Sample Questions:

Using Calculators, Tools, and Math Question Types within Schoology

#### MATH SHORT ANSWER - Use Protractor:

Use the protractor tool to measure  $\angle BAG$  and  $\angle BCD$ . Use the measures of these angles to determine the measures of  $\angle CAB$ ,  $\angle ABC$ , and  $\angle ACB$ . You must show your work to receive full credit. Your answer should include the measure of all five angles.



NOTE: You will have to use the Equation Editor under the Sigma ( $\Sigma$ ) to get the angle sign ( $\angle$ ).

SET UP		
<b>Symbols</b>	<ul style="list-style-type: none"><li>• Basic</li><li>• Keyboard</li><li>• Geometry</li></ul>	You will need to add an option for a symbols keyboard (Geometry).
<b>Text Blocks</b>	<ul style="list-style-type: none"><li>• BAG</li><li>• BCD</li><li>• CAB</li><li>• ABC</li><li>• ACB</li></ul>	Students will have to type correct capitalizations for these to work.

#### Correct Answer:

$$m \angle BAG = 118^\circ$$

$$m \angle BCD = 131^\circ$$

$$m \angle CAB = 180^\circ - 118^\circ = 62^\circ$$

$$m \angle ACB = 180^\circ - 131^\circ = 49^\circ$$

$$m \angle ABC = 180^\circ - 62^\circ - 49^\circ = 69^\circ$$

#### MATH SHORT ANSWER - Chemistry:

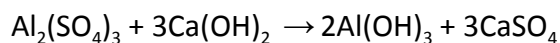
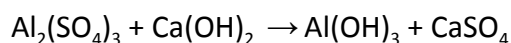
Write the balanced equation for the following reaction.

**Aluminum sulfate + calcium hydroxide  $\rightarrow$  aluminum hydroxide + calcium sulfate**

NOTE: In Schoology, the arrow is under the Omega ( $\Omega$ ) rather than the Sigma ( $\Sigma$ ).

SET UP		
<b>Symbols</b>	<ul style="list-style-type: none"> <li>● Basic</li> <li>● Keyboard</li> </ul>	These should be default.
<b>Text Blocks</b>	<ul style="list-style-type: none"> <li>● Al</li> <li>● SO</li> <li>● Ca</li> <li>● OH</li> <li>● CaSO</li> </ul>	Students will have to type correct capitalizations for these to work.

**Correct Answer:**



**CHART: Dot Plot**

Kaley asked some of the students in her school how long it took them to eat breakfast each morning. She made the table below. Use the data in the table to complete the dot plot of the information.

Minutes	0	1	2	3	4	5	6	7	8	9	10	11	12
People	6	2	3	5	2	5	0	0	2	3	7	4	2

**Setup:**

Title:	How long does it take you to eat breakfast?
Max Y-Axis Value:	10
X-Axis Title:	Minutes to Eat Breakfast
Y-Axis Title:	

**Additional Setup options:**

- Set the **Chart Type** to **Dot Plot Chart**.
- Set **Snap to Points** to 1.

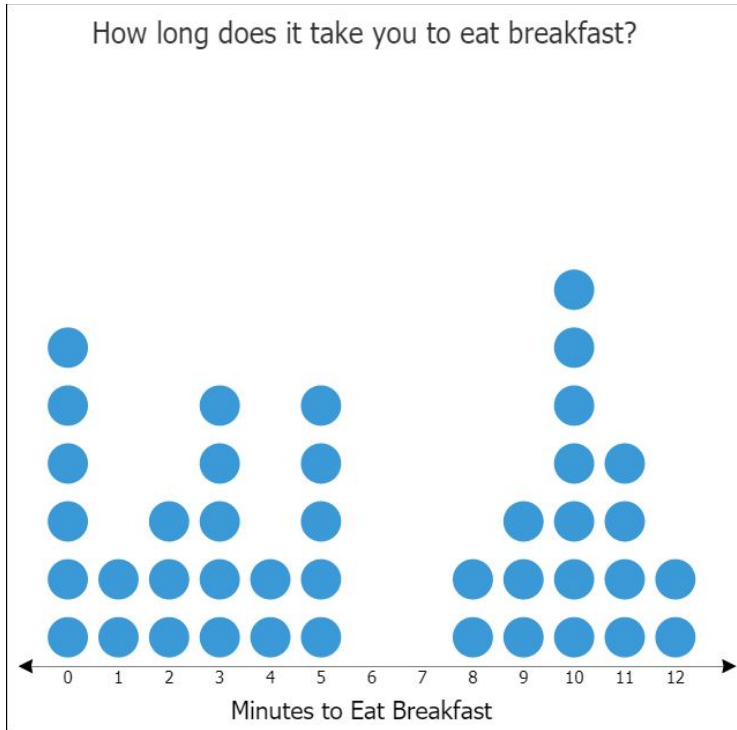
**X-Axis Setup:** Each "Point" should be a number from 0 to 12. Start each point at Value = 1 (this will show what it does), and make sure they are interactive.

**X-Axis Setup**

Only points marked interactive will allow the test taker to modify the point value in the chart.

Point 1:	Label:	<input type="text" value="1"/>	Value:	<input type="text" value="1"/>	<input checked="" type="checkbox"/> Interactive	✕
Point 2:	Label:	<input type="text" value="2"/>	Value:	<input type="text" value="1"/>	<input checked="" type="checkbox"/> Interactive	✕
Point 3:	Label:	<input type="text" value="3"/>	Value:	<input type="text" value="1"/>	<input checked="" type="checkbox"/> Interactive	✕

**Correct Answer:**



**NUMBER LINE - American History:**

Place the inventions in order on the number line by the year they were invented.

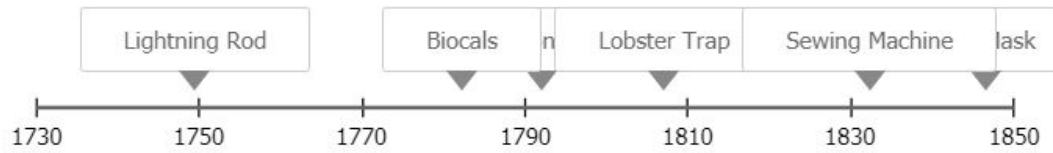
**Minimum Value:** 1730      **Maximum Value:** 1850

**Additional Setup Options:**

- Uncheck **Snap to Ticks**
- Tick Distance = 20

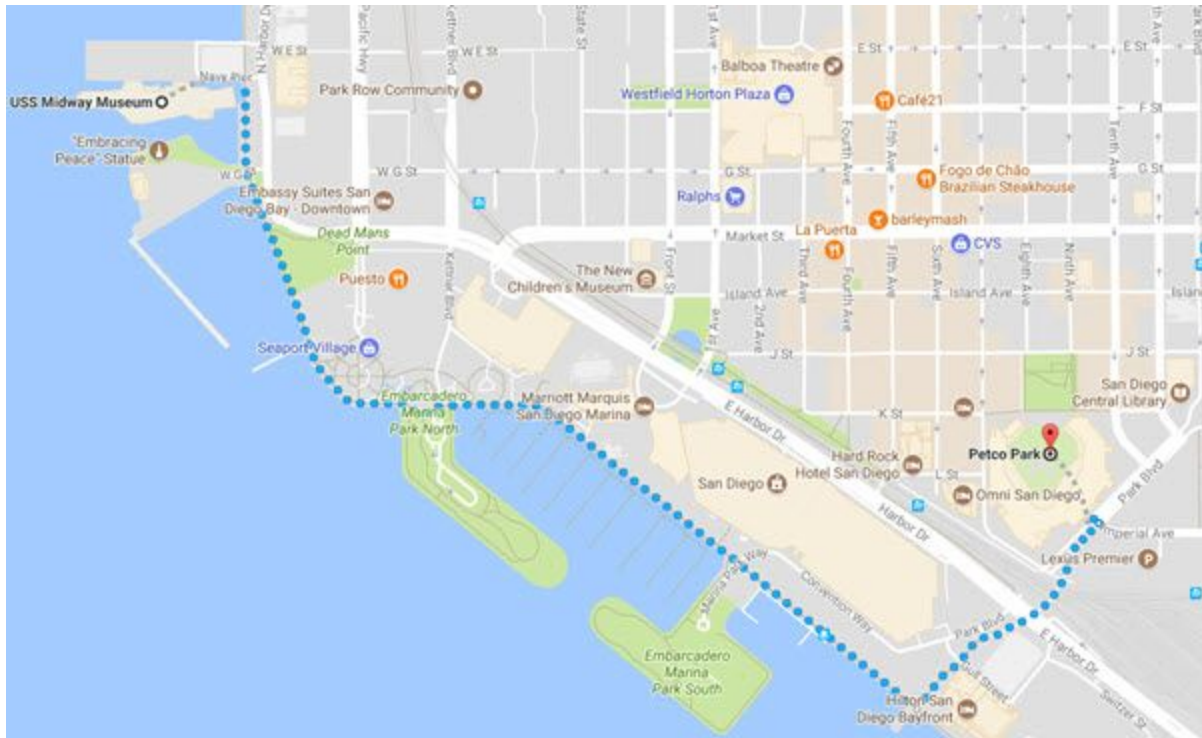
<b>Possible Responses:</b>	<b>Year of Invention:</b>
Cotton Gin	1793
Gas Mask	1847
Lightning Rod	1749
Lobster Trap	1808
Bifocals	1784
Sewing Machine	1833

**Correct Answer:**



**USE RULER - Geography/Social Studies:**

Use the map below to answer the question.



Miles walked from the USS Midway Museum to Petco Park in San Diego. The gray/blue dotted line is his path. Use the ruler tool to measure the path Miles walked in inches. If the map scale is 1 inch =  $\frac{1}{4}$  mile, approximately how far did Miles walk? Show your work for full credit.

**Correct Answer:** 1.75 - 2.0 miles, depending upon measurement (7 - 8 inches).

**CHART - Foods:**

**Question Text:** Marlon wants to make brownies for his class. He will need to double his recipe to make enough brownies for everyone. Double Marlon's recipe and use the bar chart to show how much of each ingredient Marlon will need to make a double batch of brownies.

**Five-Ingredient Brownies**

**INGREDIENTS**

- $\frac{1}{2}$  cup flour
- 1 cup sugar

½ cup salted butter, melted

2 eggs

1/3 cup cocoa powder

Title:

Max Y-Axis Value:

X-Axis Title:

Y-Axis Title:

X-Axis Setup

Only points marked interactive will allow the test taker to modify the point value in the chart.

Point 1:	Label: <input type="text" value="Sugar (Cups)"/>	Value: <input type="text" value="0"/>	<input checked="" type="checkbox"/> Interactive <input type="text" value="x"/>
Point 2:	Label: <input type="text" value="Butter (Cups)"/>	Value: <input type="text" value="0"/>	<input checked="" type="checkbox"/> Interactive <input type="text" value="x"/>
Point 3:	Label: <input type="text" value="Flour (Cups)"/>	Value: <input type="text" value="0"/>	<input checked="" type="checkbox"/> Interactive <input type="text" value="x"/>
Point 4:	Label: <input type="text" value="Eggs"/>	Value: <input type="text" value="0"/>	<input checked="" type="checkbox"/> Interactive <input type="text" value="x"/>
Point 5:	Label: <input type="text" value="Cocoa Powder (Cups)"/>	Value: <input type="text" value="0"/>	<input checked="" type="checkbox"/> Interactive <input type="text" value="x"/>

**Setup:**

**Additional Setup Options:**

Correct Response Threshold:  units  Ignore Order

▼ **ADDITIONAL SETUP OPTIONS**

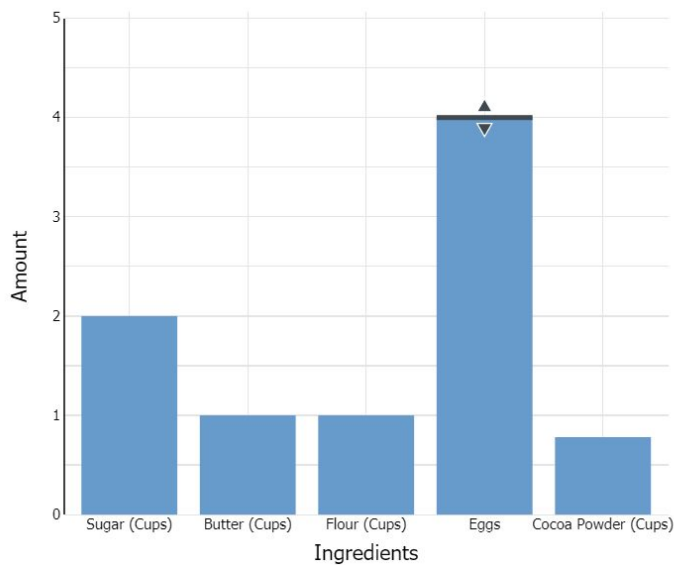
Chart Layout: Chart Type:  Snap To Points:  units

Histogram Chart Only:  Gridlines:   Multicolor Bars

User Controls:  Add New Points  Edit Point Label  Delete Point  Make New Points Interactive

Reorder Points (Does Not Apply to Line Chart)

**Correct Answer:**



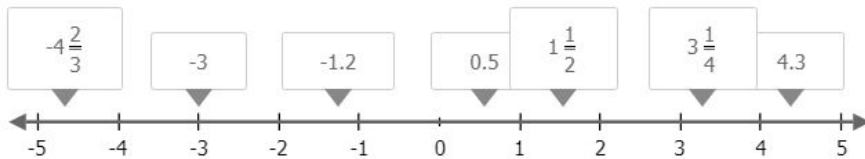
**NUMBER LINE:**

**Question text:** Place the numbers in order on the number line.

- Minimum value = -5
- Maximum value = 5
- Turn off "Snap to Ticks"
- Turn on Show first & show last
- Turn on left arrow & right arrow
- Make **Correct Response Threshold** = 0.2

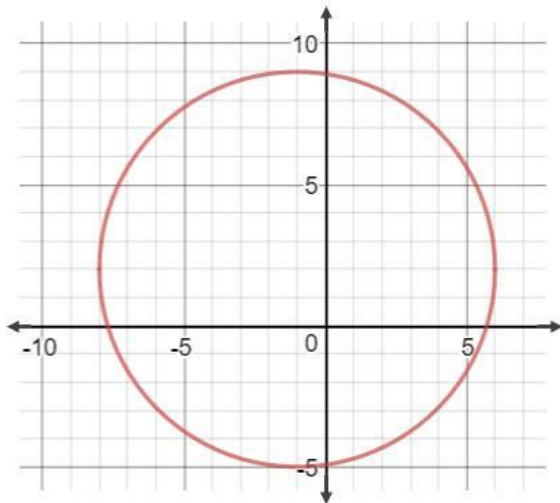
0.5, -3, 4.3,  $1\frac{1}{2}$ , -1.2,  $3\frac{1}{4}$ ,  $-4\frac{2}{3}$

Correct Answer:



**MATH SHORT ANSWER:**

**Question text:** Write the equation for the circle shown below.



Correct Answer:  $(x+1)^2+(y-2)^2=49$

**CHART:**

Tally the number of each word in the box below: like, look, this, that. Then, complete the bar graph to show how many of each word is in the box.

like look that that  
 look like this like  
 this that look this  
 that look like  
 like this  
 like that look that  
 this this like look  
 look like look  
 that look that that  
 that like that this

<ul style="list-style-type: none"> <li>● Title: Sight Word Count</li> <li>● Max &amp;-Axis: 12</li> <li>● X-Axis title: Words</li> <li>● Y-Axis title: How Many</li> </ul>	<p><b>X-Axis Setup:</b>          Point 1: look          Point 2: like          Point 3: this          Point 4: that</p>
--	---

**Correct Answer:**

