

Cohen Middle School  
100 Robinwood Avenue  
Elmira Heights, NY 14903  
734-5078

Name: \_\_\_\_\_ Date: February 11, 2020 \_\_\_\_\_

**Math:** Continue Review of Models 2 & 3  
  
Work: Midterm Thurs. & Wkshp due Wed.

**Social Studies:**  
  
- Section II Zhou Dynasty  
  
HW: New Years Traditions

**ELA:** Daily Warm Up  
Finish Story  
Vocabulary.com  
First Read "My Life With The Chimpanzees"

**Science** ① Use Timeanddate.com to find latitude/  
hours of Day length for your city  
② HW - State Test Practice : Sun/Earth Model

**Computer Apps/ Technology**

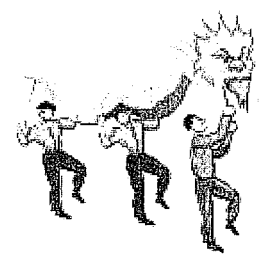


Name: \_\_\_\_\_



# Chinese New Year Traditions

1 The Chinese New Year is the most important holiday for Chinese people. Like Thanksgiving celebrated in the United States, the Chinese New Year is a time for family. Regardless how far away they live from their parents, Chinese people will do their best to go back home and have a big feast with their families on the eve of the Chinese New Year. For fifteen days, Chinese people are very careful not to do anything disrespectful to their ancestors or mythical gods. By behaving properly, Chinese people believe that their ancestors and gods will grant them fortune and luck in the coming year.



2 So, what are the appropriate codes of conduct? Well, here is a checklist of DOs and DON'Ts during the Chinese New Year:

3 DOs

4

- Do wear red clothes. Red symbolizes fortune and luck.
- Do set aside grudges against enemies and call off unpaid debt. Let bygones be bygones - if personal differences or financial obligations cannot be settled before the Chinese New Year, they shall be forgotten.
- Do clean your house thoroughly before the Chinese New Year, so misfortune will be cleaned away to make room for good fortune.
- Do have a dish of a whole fish for the feast on the Chinese New Year's eve. Make sure that you leave some to be eaten on the following day. As "fish" and "extra" have the same pronunciation in Chinese, having a fish left over from a previous year corresponds to a popular Chinese proverb meaning "having extra every year."
- Do give red envelopes (stuffed with money) to your parents, your children, or the children of your friends and relatives. You will only need to do so if you are married. When giving out red envelopes, you are wishing that the recipient would not grow old.

5 DON'Ts

6

- Don't wear white or black clothing. Traditionally, Chinese people regard black and white colors as symbols of death.
- Don't curse. Speaking foul language is disrespectful.
- Don't utter the word "four" as it is pronounced the same as "death" in Chinese.
- Don't clean your house or throw away garbage on the first day of the Chinese New Year. Chinese people believe that fortune will be swept away.
- Don't use sharp objects (such as knives and scissors) on the first day of the Chinese New Year. Using sharp objects symbolizes cutting off wealth and having to suffer from injury.
- Don't break anything. Shattering things into pieces is considered bad luck.

<sup>7</sup> Although some of the taboos and customs observed during the Chinese New Year may seem superstitious, it is fun to experience and learn about a different culture!

Name \_\_\_\_\_



Date \_\_\_\_\_

## Chinese New Year Traditions

<p>1. What is the most important holiday for Chinese people?</p> <p><input type="radio"/> A Mid-Autumn Moon Festival</p> <p><input type="radio"/> B Dragon Boat Festival</p> <p><input type="radio"/> C Thanksgiving</p> <p><input type="radio"/> D Chinese New Year</p>	<p>2. Chinese people have a big feast on the first day of their New Year.</p> <p><input type="radio"/> A False</p> <p><input type="radio"/> B True</p>
<p>3. Which of the following about the Chinese New Year is true?</p> <p><input type="radio"/> A Using knives on the eve of the Chinese New Year is taboo.</p> <p><input type="radio"/> B All house cleaning shall be done on the first day of the Chinese New Year.</p> <p><input type="radio"/> C It lasts 25 days.</p> <p><input type="radio"/> D Wearing white clothing is not recommended.</p>	<p>4. Which of the following behaviors is acceptable during the Chinese New Year?</p> <p><input type="radio"/> A Settling debts from the previous year.</p> <p><input type="radio"/> B Using the word "four."</p> <p><input type="radio"/> C Wearing red outfits.</p> <p><input type="radio"/> D Breaking glasses.</p>
<p>5. Which of the following behaviors is <b>not</b> acceptable during the Chinese New Year?</p> <p><input type="radio"/> A Having some fish left over from the feast on the eve of the Chinese New Year.</p> <p><input type="radio"/> B Giving red envelopes to your parents and children.</p> <p><input type="radio"/> C Wearing black dresses.</p> <p><input type="radio"/> D Setting aside personal grudges.</p>	<p>6. Why can't Chinese people use knives and scissors on the first day of their New Year?</p> <p><input type="radio"/> A To avoid sweeping away fortune.</p> <p><input type="radio"/> B To show respect for their ancestors and mythical gods.</p> <p><input type="radio"/> C To make sure that they have extra in the coming year.</p> <p><input type="radio"/> D To avoid cutting off fortune.</p>

Name \_\_\_\_\_



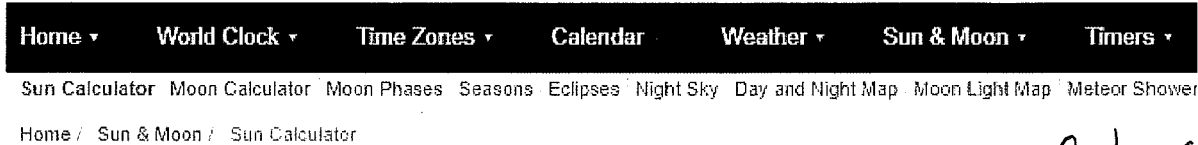
Date \_\_\_\_\_

## Chinese New Year Traditions

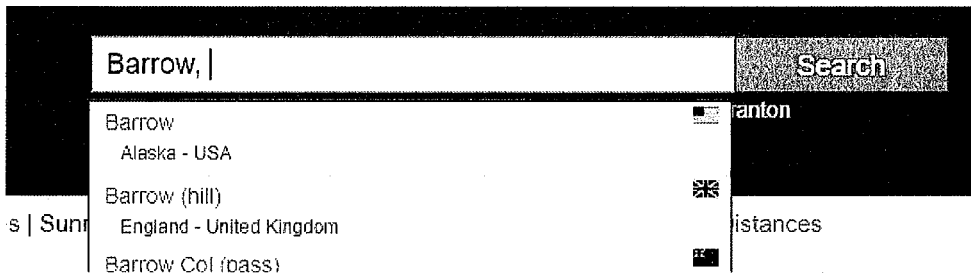
- |   |  |
|---|--|
| <p>7. Which of the following symbolizes death in Chinese?</p> <ul style="list-style-type: none"><li><input type="radio"/> A Four</li><li><input type="radio"/> B White clothes</li><li><input type="radio"/> C Black clothes</li><li><input type="radio"/> D All of the above</li></ul> | <p>8. What is the preferred color for the Chinese New Year?</p> <ul style="list-style-type: none"><li><input type="radio"/> A Red</li><li><input type="radio"/> B Green</li><li><input type="radio"/> C Yellow</li><li><input type="radio"/> D White</li></ul> |
|---|--|

# Hours of Daylight: Data Chart

1. Log onto the website <http://www.timeanddate.com/>
2. Click on the Sun & Moon tab
3. Click on **Sun Calculator**



4. Enter your city and country



City choice

- Stockholm, Sweden
- Auckland, NZ or
- Sendai, Japan

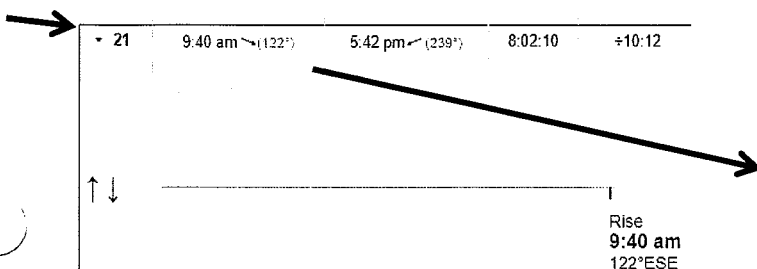
5. Change the date and click "GO"

February 2019 — Sun in Barrow

Month: February Year: 2019 **Go**

2019	Sunrise/Sunset		Daylength		Astronomical Twilight		Nautical Twilight		Civil Twilight		Solar Noon	
	Start	End	Length	Difference	Start	End	Start	End	Start	End	Time	Mil. mi
Feb	11:35 am \ (150°)	3:46 pm / (210°)	4:11:00	+14:25	7:17 am	8:05 pm	8:33 am	6:49 pm	9:57 am	5:25 pm	1:40 pm (2.0°)	91.599

6. fill in the "Sunrise/Sunset" and Day Length information in the chart below, for the 21<sup>st</sup> of each month of the year starting with January 21<sup>st</sup>.



Month, Day	Sunrise	Sunset	Length of Day (hours, min.)
January 21st			
February 21st	9:40am	5:42 am	8h 02 min

⑦ To Find your location latitude, click on The "Time/General" Tab

**City, Country:** \_\_\_\_\_

**Latitude** \_\_\_\_\_ ° **N / S**

<b>Month, Day</b>	<b>Sunrise</b>	<b>Sunset</b>	<b>Length of Day</b> (hours, min.)
January 21st			
February 21st			
March 21 <sup>st</sup>			
April 21 <sup>st</sup>			
May 21 <sup>st</sup>			
June 21 <sup>st</sup>			
July 21st			
August 21 <sup>st</sup>			
September 21 <sup>st</sup>			
October 21 <sup>st</sup>			
November 21 <sup>st</sup>			
December 21 <sup>st</sup>			



Name: \_\_\_\_\_

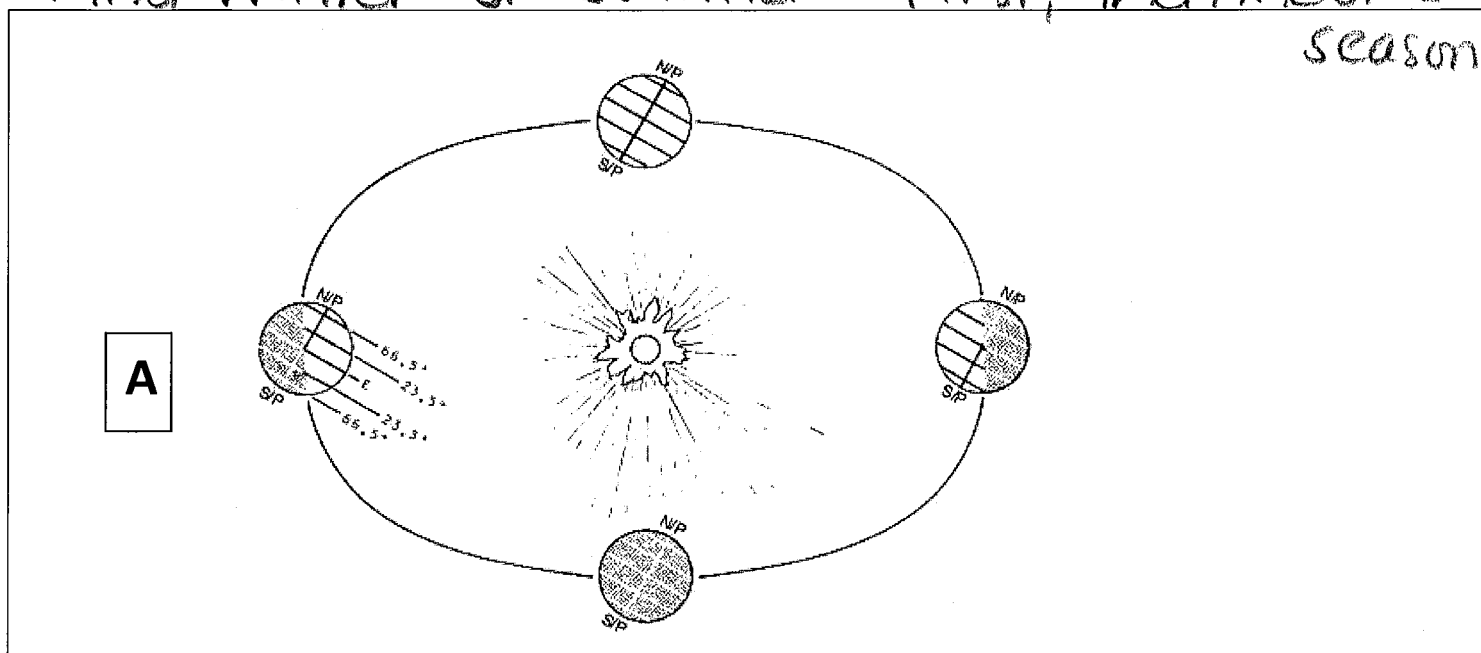
HW DUE Date: 2/12/20

Science Period: 3

### Sun Earth Model: Test Practice

**Directions:** The Sun-Earth model below is an example of Earth as it **revolves** around the Sun. Your job is to look closely at the model and correctly determine the season that is occurring at each position. The model is not to scale. Take into consideration the latitude of the direct rays (solar angle) and how much light / darkness is occurring at the North Pole, in the Northern Hemisphere. (Refer to "Seasons" Reading from www.fossweb.com)

*Find Winter or Summer first, then the other seasons*



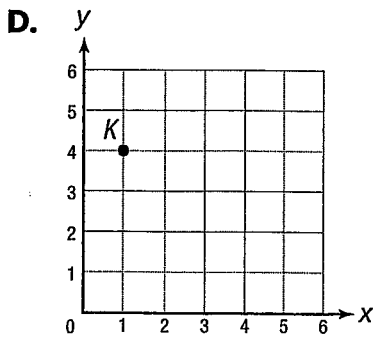
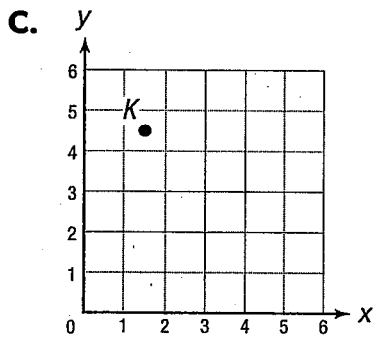
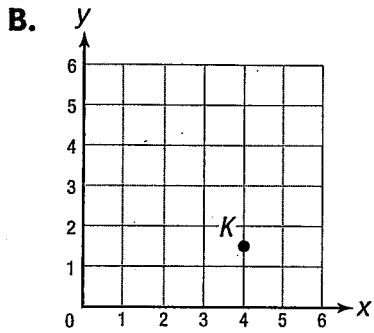
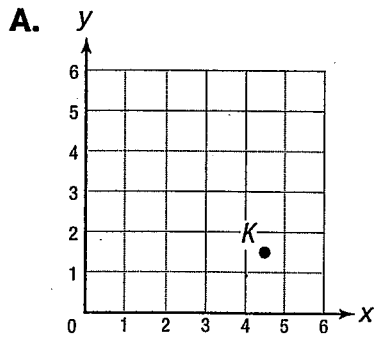
**Draw in: the North Star (Polaris) and arrows showing the direction of Earth's revolution**

	A	B	C	D
Season in N. Hemisphere				
Date season begins				
Direct Rays (sun is shining on...)	T. Cancer 23.5°N Equator, 0° T. Capricorn, 23.5S	T. Cancer 23.5°N Equator, 0° T. Capricorn, 23.5S	T. Cancer 23.5°N Equator, 0° T. Capricorn, 23.5S	T. Cancer 23.5°N Equator, 0° T. Capricorn, 23.5S
N Pole Lean (related to the sun)	Toward Away Perpendicular	Toward Away Perpendicular	Toward Away Perpendicular	Toward Away Perpendicular
Amount of Daylight	12-24 hours Equal 12 hours 0-12 hours	12-24 hours Equal 12 hours 0-12 hours	12-24 hours Equal 12 hours 0-12 hours	12-24 hours Equal 12 hours 0-12 hours

## Seasons Vocabulary & Content (Study these)

<b>23.5°</b>	Earth's axis of rotation tilts at an angle
<b>North Star (Polaris)</b>	The North Pole <i>a/ways</i> points at this reference point
<b>Rotation</b>	The motion of the Earth's axis (spinning)
<b>Revolution</b>	An orbit; "traveling around something"
<b>Axis</b>	Imaginary axle on which earth rotates; it passes through the North and South pole and is perpendicular to the Equator
<b>365 ¼ days 1 year</b>	The length of time it takes Earth to travel around the sun (orbit / revolution)
<b>24 hours 1 day</b>	The length of time to create one full spin of Earth on its axis; (rotate/spin day/night)
<b>Solar angle</b>	The angle at which light from sun strikes Earth's surface
<b>Summer Solstice</b>	The day when the North Pole leans toward the Sun. (The Sun's rays are directly on the Tropic of Cancer 23.5°N)
<b>Winter Solstice</b>	The day when the North Pole leans away from the Sun The direct rays are on the Tropic of Capricorn (23.5° S)
<b>Equinox</b>	"Equal Night" The North Pole is perpendicular to the sun The two days when the Sun's rays are directly on the Equator

15. Which graph shows point  $K$  at  $(4.5, 1.5)$ ?



16. Nisha is putting 64 cookies and 40 chocolate truffles into gift boxes. Each box will have the same number of cookies and chocolate truffles. What is the greatest number of boxes Nisha can make with no cookies or chocolate truffles left over?

- A. 6
- B. 7
- C. 8
- D. 9

17. Oliver climbed 222 meters of a steep mountain to reach the summit. He then rappelled down the other side of the mountain to return to the base. Which integer best represents Oliver's descent?

- A.  $-444$
- B.  $-222$
- C.  $0$
- D.  $222$

- 18.** Mack is working on his science project. He dropped a ball filled with sand from the balcony of a building 42 feet from the ground. Which of the following statements is true?
- A.** Mack's ball traveled a distance of 42 feet because  $|-42|$  is 42.
  - B.** Mack's ball traveled a distance of -42 feet because  $|-42|$  is -42.
  - C.** Mack's ball traveled a distance of 0 feet because  $|0|$  is 0 and the ball ended at ground level.
  - D.** Mack's ball traveled a distance of 24 feet because  $|-42|$  is 24.
- 19.** Serena wants to buy reusable bamboo plates and cups for a barbecue. Plates are sold in packages of 8. Cups are sold in packages of 12. What is the least number of packages Serena can buy to have an equal number of plates and cups?
- A.** 3 packages of plates, 2 packages of cups
  - B.** 3 packages of plates, 4 packages of cups
  - C.** 4 packages of plates, 2 packages of cups
  - D.** 4 packages of plates, 3 packages of cups
- 20.** The Rotolo family is planning a winter vacation. They are considering two ski resorts. Their travel guidebook states that the bigger of the two resorts has an average temperature of  $-4^{\circ}\text{F}$ . The smaller resort reports an average of  $-17^{\circ}\text{F}$ . Which of the following correctly compares the average temperatures at the resorts?
- A.**  $-17^{\circ}\text{F} > -4^{\circ}\text{F}$
  - B.**  $-17^{\circ}\text{F} < -4^{\circ}\text{F}$
  - C.**  $-17^{\circ}\text{F} > 4^{\circ}\text{F}$
  - D.**  $4^{\circ}\text{F} < -17^{\circ}\text{F}$
- 21.** Duke and Hilda went scuba diving to study migrating fish 41 feet beneath the ocean's surface. They returned to the surface after 15 minutes. Which integer best describes their location when they surfaced?
- A.** -41 because they dove 41 feet below sea level.
  - B.** 0 because 0 feet represents sea level and their starting point.
  - C.** 41 because that's how far they swam back up after their dive to return to the surface.
  - D.** 82 because they dove 41 feet and then swam back up 41 feet.

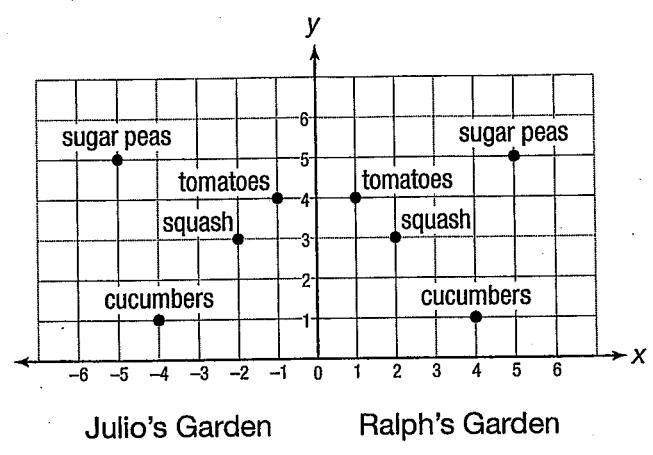
22. Beatrice earned \$20 mulching a neighbor's yard. That night, Beatrice ordered pizza for dinner. Including tip, she gave the delivery man \$20. Which equation best describes the day's events?

- A.  $-\$20 - \$20 = -\$40$
- B.  $0 + \$20 = \$20$
- C.  $0 - \$20 = -\$20$
- D.  $\$20 - \$20 = 0$

23. Gillian plotted  $(-3, 8)$  on a coordinate plane. Which quadrant is that point located in?

- A. Quadrant I
- B. Quadrant II
- C. Quadrant III
- D. Quadrant IV

24. Julio's and his neighbor Ralph's vegetable gardens are mirror images of each other. The diagram below shows their gardens and shared fence.



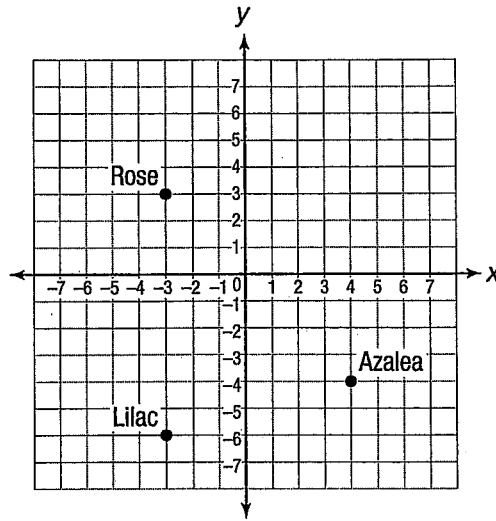
Which of the following statements is true?

- A. The location of Julio's squash plant at  $(-2, 3)$  is like a reflection over the fence of the location of Ralph's squash plant at  $(2, 3)$ .
  - B. The location of Ralph's sugar peas is like a reflection over the fence of where Julio's squash are planted.
  - C. The location of Julio's tomatoes is  $(-4, 1)$ .
  - D. Ralph's cucumbers are located at  $(4, -1)$ .
25. Which of the following is equivalent to  $48 + 18$ ?
- A.  $4(6 + 3)$
  - B.  $6(6 + 3)$
  - C.  $6(8 + 3)$
  - D.  $8(6 + 3)$

Duplicating any part of this book is prohibited by law.

28. A landscape designer is using the diagram below to plan a client's backyard.

Client's Backyard



- A. The hydrangea plant will be located at  $(4, 6)$ . Plot and label this point on the map.
- B. The length of each square on the map represents one foot in the garden. How far apart has the designer placed the hydrangea and azalea plants? Explain how you can use absolute value to find the answer.

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29. Amina tested the temperature of a chemical in her science lab every hour for five hours. She recorded the following temperatures in degrees Celsius.

4.4, -5.9, -2, 3.1, -7.6

- A. In the space below, draw a number line and plot the data points. Then use comparative symbols to order the temperatures from coldest to warmest.

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- B. Explain the position of  $-2^{\circ}\text{C}$  in relation to  $-7.6^{\circ}\text{C}$  on the number line and what this means.

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10. Andie is taking a sewing class. Her first assignment is to stitch together 49 identical fabric rectangles from end to end to create a long banner. If each rectangle measures 8.3 centimeters long, what will be the length of the completed banner?

- A. 334.7 cm
- B. 406.7 cm
- C. 467 cm
- D. 539 cm

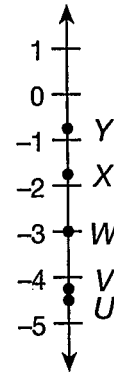
11. Dora earns an annual salary of \$85,608. How much does she earn every month?

- A. \$6,144
- B. \$7,134
- C. \$7,144
- D. \$7,234

12. Hassan ran 3 miles in 18.342 minutes. Safaya ran the same distance in 19.291 minutes. How much longer did it take Safaya to run 3 miles than Hassan?

- A. 0.939 min
- B. 0.949 min
- C. 0.959 min
- D. 1.051 min

13. Scientists noticed a sudden spike in algae production along the coast. To monitor the algae activity, experts measured the depth in meters of the largest algae colony from the surface of the water every day for five days. The number line below shows the depths they recorded.



On the sixth day, experts measured  $-2.24$  meters. Between which two points would this measurement fall on the number line?

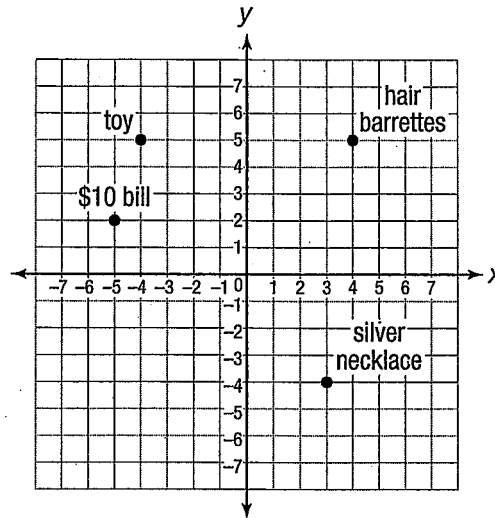
- A. between points  $U$  and  $V$
- B. between points  $V$  and  $W$
- C. between points  $W$  and  $X$
- D. between points  $X$  and  $Y$

14. On the coldest night last winter, the temperature in Julia's hometown was  $-12^{\circ}\text{F}$ . How many degrees Fahrenheit below  $0$  was the temperature?

- A.  $-21$  degrees because  $-21^{\circ}\text{F}$  is below  $0^{\circ}\text{F}$ .
- B.  $0$  degrees because  $12 - 12 = 0$ .
- C.  $12$  degrees because  $|-12| = 12$ .
- D.  $24$  degrees because  $12 + 12 = 24$ .

30. Ms. Riches set up a treasure hunt for her nieces. The map below shows the location of four treasures.

**Treasure Hunt Map**



- A. Ms. Riches wants to add a fifth treasure, a pair of movie tickets, at  $(2, -5)$ . Plot and label this point on the map.
- B. The length of each square on the map represents one foot. What is the distance between the hair barrettes and the toy? Explain how you can use absolute value to find the answer.

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