1. For numbers 1a–1d, choose Yes or No to indicate whether the situation can be represented by a negative number.

   1a.   Green Valley is 215 feet below sea level.   ○ Yes   ○ No

   1b.   The noon temperature was 5°F.   ○ Yes   ○ No

   1c.   Ahmad wrote a check for $25.   ○ Yes   ○ No

   1d.   Leroy received a gift card for $50.   ○ Yes   ○ No

2. Golf scores compared to par are shown.

   Part A

   Using the information in the table, order the scores from lowest to highest.

   _____

 | Golf Scores | |
   |---|---|
   | **Player** | **Score** |
   | Alex | ⁻4 |
   | Bart | ⁻1 |
   | Cal | 3 |
   | Deon | ⁻2 |

   Part B

   Explain how to use a horizontal number line to determine the order.

3. For numbers 3a–3d, choose Yes or No to indicate whether the number is between ⁻1 and 1.

   3a. $-\dfrac{4}{5}$ ○ Yes   ○ No

   3b.   ⁻0.9   ○ Yes   ○ No

   3c. $1\dfrac{1}{4}$ ○ Yes   ○ No

   3d. $^{-}1\dfrac{1}{10}$ ○ Yes   ○ No

GO ON

4. Compare $-\frac{2}{3}$ and $-\frac{5}{9}$. Use words and numbers to explain your answer.

5. Rafael said |5| equals |⁻5|. Is Rafael correct? Use the number line and words to support your answer.

```
<————+——+——+——+——+——+——+——+——+——+——+——>
     ⁻5  ⁻4  ⁻3  ⁻2  ⁻1  0  +1  +2  +3  +4  +5
```
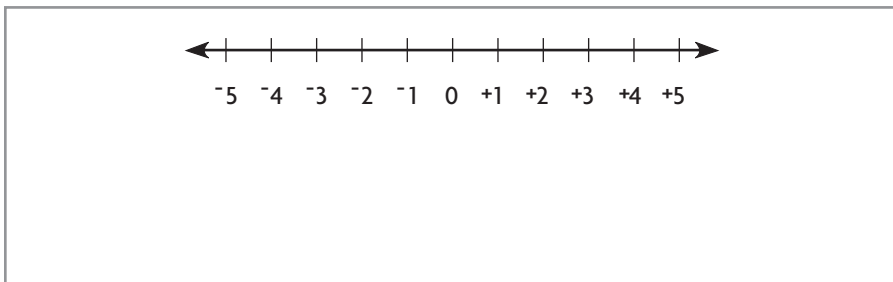
6. Write the values in order from least to greatest.

| |⁻6| | | |0| | | |⁻14| | | |9| |

_____   _____   _____   _____

7. For numbers 7a–7d, select True or False for each statement.

7a. The *y*-coordinate of any point   ○ True   ○ False
     on the *x*-axis is 0.

7b. Point *D*(4, 2) is to the left of the   ○ True   ○ False
     y-axis and above the *x*-axis.

7c. The coordinates of the origin   ○ True   ○ False
     are (0, 0).

7d. If both the *x*- and *y*-coordinates   ○ True   ○ False
     are positive, the point is to the
     right of the *y*-axis and above
     the *x*-axis.

GO ON

8. Rex's house is located at point (2, ⁻5) on a coordinate plane. The location of Terrell's house is the reflection of the location of Rex's house across the *x*-axis. In what quadrant is Terrell's house?

_____

9. Points *R*(⁻4, 6) and *S*(⁻4, ⁻8) are located on a coordinate grid. Graph the pair of points. Then find the distance between them. Use numbers and words to explain your answer.

GO ON
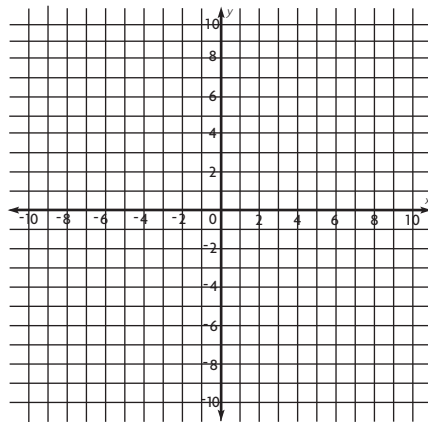
10. The map shows the location *M* of Molly's house and the location *L* of the library. Molly is going to go to Cindy's house and then the two of them are going to go to the library.

Part A

Cindy's house is located at point *C*, the reflection of point *M* across the *x*-axis. What are the coordinates of points *C*, *M*, and *L*?
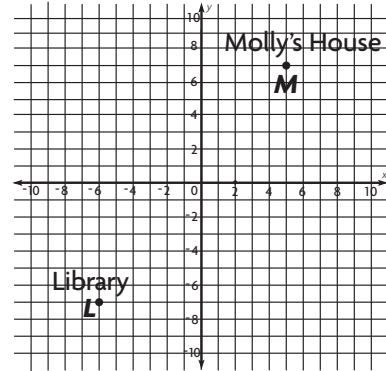
Part B

If each unit on the map represents 1 block, what was the distance Cindy traveled to the library and what was the distance Molly traveled to the library? Use numbers and words to explain your answer.

11. For numbers 11a–11d, choose Yes or No to indicate whether the situation could be represented by the integer $^-4$.

11a. A football team loses 4 yards on a play.	○ Yes	○ No
11b. A student answers a 4 point question incorrectly.	○ Yes	○ No
11c. A temperature is 4°F below zero.	○ Yes	○ No
11d. An elevation is 4 feet above sea level.	○ Yes	○ No

GO ON

12. Four friends played a new game and Vance kept score.

When the game was finished, Vance wrote the scores in order from least to greatest. Is Vance correct? Use words and numbers to explain why or why not. If Vance is incorrect, what is the correct order?

Player	Score
Lou	25
Mary	⁻20
Nina	⁻30
Otto	15

$$^-30,\ ^-20,\ 15,\ 25$$

13. For numbers 13a–13d, select True or False for each statement.

13a. $1\frac{7}{8}$ is between 1 and 2.　　　　○ True　　　○ False

13b. $^-3\frac{2}{3}$ is between $^-2$ and $^-3$.　　　○ True　　　○ False

13c. $^-1\frac{3}{5}$ is between $^-1$ and $^-2$.　　　○ True　　　○ False

13d. $5\frac{1}{4}$ is between 4 and 5.　　　　○ True　　　○ False

14. Choose $<$, $>$, or $=$.
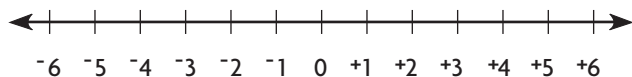
14a. 1.75 ⟨ $<$ / $>$ / $=$ ⟩ $1\frac{3}{4}$

14c. $3\frac{7}{8}$ ⟨ $<$ / $>$ / $=$ ⟩ 3.375

14b. $^-\frac{2}{3}$ ⟨ $<$ / $>$ / $=$ ⟩ $^-0.667$

14d. $^-\frac{3}{8}$ ⟨ $<$ / $>$ / $=$ ⟩ $^-\frac{1}{2}$

GO ON

15. Graph 6 and ⁻6 on the number line.

⁻6 ⁻5 ⁻4 ⁻3 ⁻2 ⁻1 0 +1 +2 +3 +4 +5 +6

Wilson says both 6 and ⁻6 have an absolute value of 6. Is Wilson correct? Use the number line and words to explain why or why not.

16. Roger and Mary have an online account for buying movies. Roger's account balance is ⁻$25 and Mary's is ⁻$10. Express each account balance as a debt and explain whose debt is greater.

17. Explain how to graph points $A(4, 0)$, $B(4, {}^-3)$, and $C(0, {}^-3)$ on the coordinate plane. Then, explain how to graph point D, so that $ABCD$ is a rectangle.

18. Point $R(4, {}^-5)$ is reflected across the y-axis to point S. Point S is reflected across the x-axis to point T. What are the coordinates of point T? Use words and numbers to explain your answer.

STOP