




6.1 Extra Practice







Graph the number that represents the situation on a number line.

1. You lose a \$5 bill while walking home from school. 
2. You download 7 songs to your MP3 player. 
3. The wind chill is 35 degrees below zero. 

Write a positive or negative integer that represents the situation.

- | | |
|-----------------------------------------|--------------------------------------------------|
| 4. A parachutist descends 50 feet. | 6. A football team advances 10 yards. |
| 5. A baker discards 12 loaves of bread. | 7. You earn \$15 for mowing the neighbor's lawn. |

Graph the integer and its opposite.

- | | |
|-------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------|
| 8. 5  | 9. -2  |
| 10. 13  | 11. 20  |
| 12. -18  | 13. -25  |

14. Describe and correct the error in describing opposites.

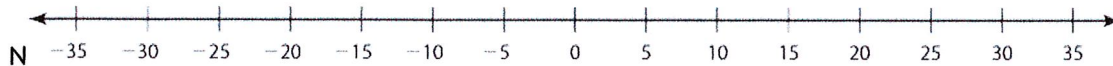
~~X~~ The opposite of 7 is $\frac{1}{7}$.

Identify the integer represented by the point on the number line.

15. A 16. B 17. C 18. D



19. To ride an amusement park ride, your height must be at or above the line on the sign. For each set of information, write an integer that represents a person's height relative to the line on the sign and write *yes* or *no* as to whether they can ride the ride.
- a. Height is 2 inches above the line on the sign.
 - b. Height is 5 inches below the line on the sign.
 - c. Height is 1 inch below the line on the sign.



6.2 Extra Practice

Copy and complete the statement using $<$ or $>$.

1. -5 5

2. 4 -2

3. -1 -3

4. -6 -3

5. -9 -8

6. -4 -1

Order the integers from least to greatest.

7. $2, -5, 5, 8, -8$

8. $4, -1, -3, -6, 2$

9. $20, -20, 40, 50, -50$

10. $10, -15, -20, 25, -30$

11. In a round of golf, the lowest score wins. At the end of a round, you have score -3 and your friend has score -4 . Who won the round? Explain.

12. Seven integers are ordered from least to greatest. The integer in the middle is zero. Describe the other six numbers.

13. The table shows the highest and lowest daily profit/loss of the five locations of a chain of restaurants.

a. Order the locations by their highest profit/loss from least to greatest.

b. Order the locations by their lowest profit/loss from least to greatest.

Location	Highest Profit/Loss	Lowest Profit/Loss
North	350	125
South	275	-50
East	300	-100
West	50	-250
Central	225	75

c. Find the middle integer of the highest profit/loss.

d. Find the middle integer of the lowest profit/loss.

e. The company needs to close one of the locations. Which location should they close? Explain.

14. Point A is on a number line halfway between -20 and -4 . Point B is halfway between point A and 0 . What integer is represented by point B ?

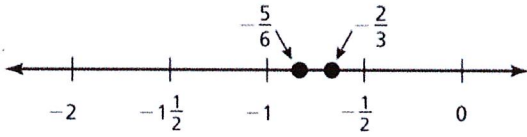
15. Nine Celsius temperatures are recorded in a lab. The middle temperature is 0°C . What is the maximum number of temperatures that could be represented by negative numbers?

6.3

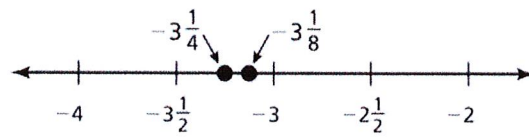
Extra Practice

Find a fraction or mixed number that is between the two numbers.

1.



2.



Graph the number and its opposite.

3. $-\frac{3}{4}$



4. $1\frac{1}{3}$



5. -2.6



6. 3.75



Copy and complete the statement using $<$ or $>$.

7. $-\frac{10}{3} \underline{\quad ? \quad} -\frac{7}{4}$

8. $\frac{4}{5} \underline{\quad ? \quad} -1\frac{7}{8}$

9. $-\frac{7}{6} \underline{\quad ? \quad} -\frac{6}{7}$

10. $-2\frac{3}{4} \underline{\quad ? \quad} -2\frac{2}{3}$

11. $2.1 \underline{\quad ? \quad} -2.1$

12. $-0.08 \underline{\quad ? \quad} -0.8$

13. $-3.08 \underline{\quad ? \quad} -4.16$

14. $-4.82 \underline{\quad ? \quad} -4.89$