Lesson 2.1 ~ Understanding Integers

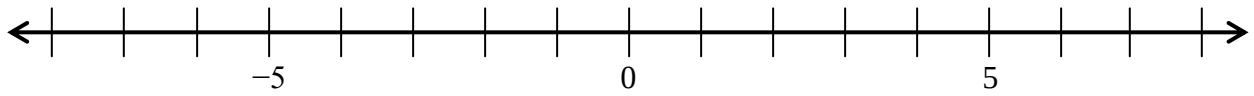
Name_____ Period_____ Date_____

Find the opposite of each number.

1. 5 **2**. −9 **3**. 2

4. 7.3 **5**. −200 **6**. $-\frac{1}{3}$

7. Graph the following integers on the number line: −6, 7, −3, and 1.



8. Which of the following are integers? Circle your answers.

$$6 \quad -4 \quad -2\tfrac{3}{4} \quad -3 \quad 0 \quad -9.5$$

Find each absolute value.

9. $|-11|$ **10**. $|2|$ **11**. $|5|$

12. What two numbers both have an absolute value of 9?

Write an integer to represent each situation.

13. An elevator stopped 46 feet above the ground.

14. Katie climbed 250 feet in elevation.

Complete each statement using < or >.

15. 4 ◯ 6 **16**. 3 ◯ 0 **17**. −5 ◯ 0

18. −9 ◯ 9 **19**. −6 ◯ −3 **20**. −15 ◯ −23

Order the integers from least to greatest.

21. −4, 5, 0, 2 **22**. −38, −26, −19, −55 **23**. 0, 13, −13, −7, 7

24. Name five integers between −6 and 3. Order them from least to greatest.

Complete each statement using <, > or =.

25. $|10|$ ◯ $|8|$ **26**. $|-3|$ ◯ $|3|$ **27**. $|-7|$ ◯ $|-9|$

Lección 2.1 ~ Entendiendo Enteros

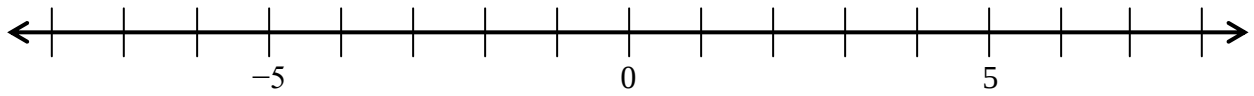
Nombre_____ Periodo_____ Fecha_____

Encuentra el opuesto de cada número.

1. 5 **2**. −9 **3**. 2

4. 7.3 **5**. −200 **6**. $-\frac{1}{3}$

7. Dibuja los siguientes números en la recta numérica: −6, 7, −3, y 1.



8. ¿Cuál de los siguientes son enteros? Circula tus respuestas.

$$6 \quad -4 \quad -2\tfrac{3}{4} \quad -3 \quad 0 \quad -9.5$$

Encuentra cada valor absoluto.

9. $|-11|$ **10**. $|2|$ **11**. $|5|$

12. ¿Qué dos números tienen un valor absoluto de 9?

Escribe un entero para representar cada situación.

13. Un elevador paró a 46 pies del suelo. **14**. Katie escaló 250 pies de altitud .

Completa cada enunciado utilizando < o >.

15. 4 ◯ 6 **16**. 3 ◯ 0 **17**. −5 ◯ 0

18. −9 ◯ 9 **19**. −6 ◯ −3 **20**. −15 ◯ −23

Ordena los enteros de menor a mayor.

21. −4, 5, 0, 2 **22**. 7, −2, 3, −1 **23**. −6, 0, −5, −7, −2

24. Nombra cinco enteros entre −6 y 3. Ordénalos de menor a mayor.

Completa cada enunciado utilizando <, > o =.

25. $|10|$ ◯ $|8|$ **26**. $|-3|$ ◯ $|3|$ **27**. $|-7|$ ◯ $|-9|$

Lesson 2.1T ~ Understanding Integers

Name_____ Period_____ Date_____

Find the opposite of each number.

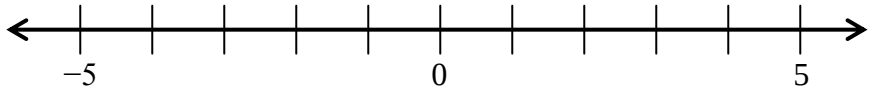
1. 6

2. −3

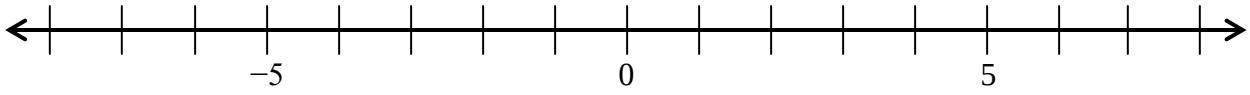
3. 7

4. −10

5. Graph the number 3 and its opposite.



6. Graph the following integers on the number line: −8, −5, 0, and 4



7. Which of the following are integers? Circle your answers.

$$1 \quad -2 \quad -3\tfrac{1}{4} \quad -3 \quad 2.9 \quad -9$$

Find each absolute value.

8. $|-9|$ = _____

9. $|7|$ = _____

10. $|-1|$ = _____

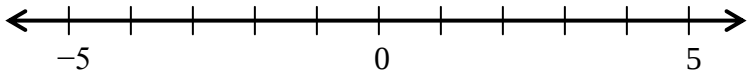
Write an integer to represent each situation.

11. A diver dove 92 feet **under** the surface of the ocean. _____

12. Jack **climbed up** 200 stairs. _____

13. Nina **owes** her sister $18. _____

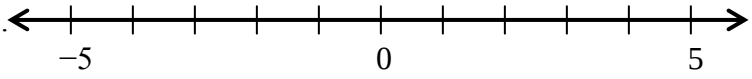
14. Graph 2 and 5 on the number line.



a. Which number is bigger (further to the right on the number line)? ____

b. Complete the statement using < or >: 2 ◯ 5

15. Graph −1 and −3 on the number line.



a. Which number is bigger (further to the right on the number line)? ____

b. Complete the statement using < or >: −1 ◯ −3

Complete the statement using < or >.

16. 3 ◯ −2 **17**. −7 ◯ −4 **18.** 0 ◯ −2

Order the integers from least to greatest.

19. −1, −8, −4, 0 **20**. −14, −5, −17, −2

Complete each statement using <, > or =.

21. $|4|$ ◯ $|1|$ **22**. $|-6|$ ◯ $|8|$ **23**. $|-3|$ ◯ $|-5|$

Lesson 2.1C ~ Understanding Integers

Name_____ Period_____ Date_____

In Exercises 1 through 5, write <u>two</u> different pairs of numbers for each description. At least one pair of numbers must contain a negative integer.

1. Two integers that are 8 apart.

2. Two integers that are 11 apart.

3. Two integers whose absolute values add to 14.

4. Two integers whose absolute values have a difference of 10.

5. Two integers whose absolute values have a product of 24.

6. Name a mixed number that is between −3 and −4.

7. Name an improper fraction between −1 and −2.

8. Name a decimal number between −7 and −8.

Rational numbers include integers, fractions and decimals. Fractions and decimals can be positive or negative. Compare each integer to the given fraction or decimal using < or >.

9. $-2 \bigcirc -\frac{9}{4}$

10. $-4 \bigcirc -3\frac{1}{4}$

11. $0 \bigcirc -0.7$

12. $-2\frac{1}{2} \bigcirc -3$

13. $-6.1 \bigcirc -5$

14. $-\frac{8}{3} \bigcirc -3$

Order the numbers from least to greatest.

15. $-4.3,\ 3,\ -2\frac{1}{2},\ 1$

16. $-\frac{3}{4},\ -1,\ -1\frac{2}{3},\ -1.4$