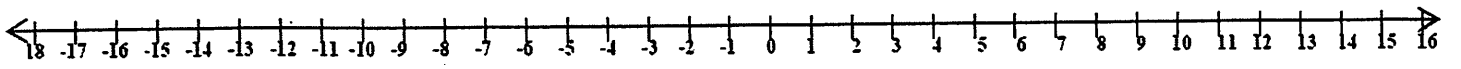
Integers, Opposites, and Absolute Value Name _____



Write the integer that can be used to represent the situation.

1) a debt of $60 _____

2) 10 strokes under par _____

3) 400 feet above sea level _____

4) a loss of 15 yards _____

5) a surplus of 8 computers _____

Insert the correct comparison symbol. (< , > , =)

6) $-4 \square -10$

7) $-(-7) \square 0$

8) $5 \square |-5|$

9) $|4| \square 3$

10) $|-2| \square -|-6|$

11) $|3| \square |-4|$

12) $-5 \square |-5|$

13) $0 \square |-9|$

14) $-|2| \square |-7|$

Order the following Lists from greatest to least.

15) $-5, -|-3|, -9, |2|, -1$

16) $-2, 11, |-20|, -|5|, -1$

17) $|15|, -8, |-3|, 0, |-6|$

Simplify each expression.

18) the opposite of $|-15|$ _____

19) $-|-12|$ _____

20) the opposite of -40 _____

21) $-|5|$ _____

22) the opposite of 29 _____

23) $-|-9|$ _____

24) the opposite of $|-3|$ _____

25) $|-2|$ _____

26) the opposite of $|5|$ _____

27) $-|-4|$ _____

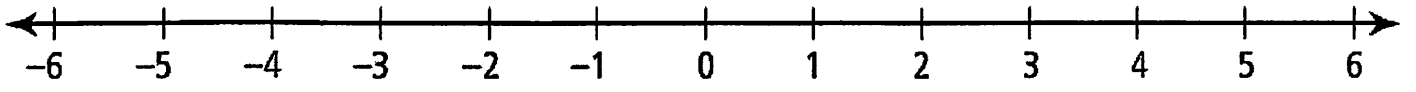
Simplify each expression using: $a=-3,\ b=5,\ c=-8$

28) $\dfrac{4b+10}{|a|}$

29) $b^2-2\times|c|$

30. Plot the following rational numbers on the number line.

$$\frac{2}{3},\ |-4.2|,\ -\left|\frac{9}{2}\right|,\ \left|-1\frac{1}{5}\right|,\ -0.35,\ -\left(-5\frac{1}{4}\right),\ -|-3.05|,\ -\frac{16}{4}$$



Integers, Opposites, and Absolute Value Name Key

Write the integer that can be used to represent the situation.

1) a debt of $60 — −60
2) 10 strokes under par — −10
3) 400 feet above sea level — 400
4) a loss of 15 yards — −15
5) a surplus of 8 computers — 8

Insert the correct comparison symbol. (< , > , =)

6) $-4 \boxed{>} -10$
7) $-(-7) \boxed{>} 0$
8) $5 \boxed{=} |-5|$
9) $|4| \boxed{>} 3$
10) $|-2| \boxed{>} -|-6|$
11) $|3| \boxed{<} |-4|$
12) $-5 \boxed{<} |-5|$
13) $0 \boxed{<} |-9|$
14) $-|2| \boxed{<} |-7|$

Order the following Lists from greatest to least.

15) $-5, -|-3|, -9, |2|, -1$

$|2|, -1, -|-3|, -5, -9$

16) $-2, 11, |-20|, -|5|, -1$

$|-20|, 11, -1, -2, -|5|$

17) $|15|, -8, |-3|, 0, |-6|$

$|15|, |-6|, |-3|, 0, -8$

Simplify each expression.

18) the opposite of $|-15|$ (15) — -15

19) $-|-12|$ — -12

20) the opposite of -40 — 40

21) $-|5|$ — -5

22) the opposite of 29 — -29

23) $-|-9|$ — -9

24) the opposite of $|-3|$ (3) — -3

25) $|-2|$ — 2

26) the opposite of $|5|$ (5) — -5

27) $-|-4|$ — -4

Simplify each expression using: $a=-3,\ b=5,\ c=-8$

28) $\dfrac{4b+10}{|a|}$

30

20 + 10

$4\cdot5+10$

$|-3|$

3

$\dfrac{30}{3}=10$

29) $b^2-2\times|c|$

$5^2-2\cdot|-8|$

$5\cdot5$; 8

$25-2\cdot8$

$25-16$

9

30. Plot the following rational numbers on the number line.

$\dfrac{2}{3},\ |-4.2|,\ -\left|\dfrac{9}{2}\right|,\ \left|-1\dfrac{1}{5}\right|,\ -0.35,\ -\left(-5\dfrac{1}{4}\right),\ -|-3.05|,\ -\dfrac{16}{4}$

$0.\overline{666}$; 4.2 ; -4.5 ; 1.2 ; -0.35 ; 5.25 ; -3.05 ; -4