

Identify a pair of opposites on the thermometer.

Two numbers that are the same distance from zero are called

opposites
of one another.

cannot be negative

What is the opposite of 15 degrees F? **-15**

Name: _____

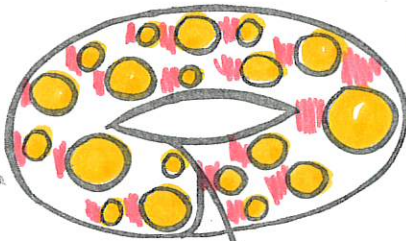


positive or negative whole number

The peak of a hill is 22 feet above sea level. Write this as an integer. What is the distance from sea level (0) to the peak?

+22

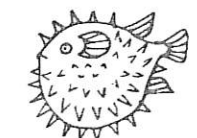
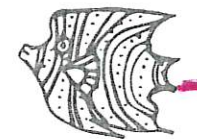
integers



A number's distance from zero is its

absolute value

cannot be negative



What range of depth values could be possible for this fish?

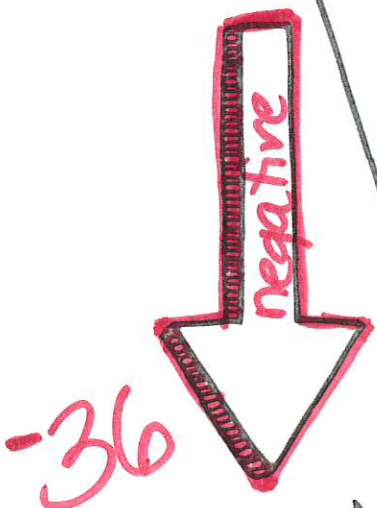
What is the absolute value of -29?

What is the opposite of -29?

notation $| -9 | = 9$

Which has a greater absolute value here, the peak of the hill, or this area of the sea floor?

sea floor



The ocean floor in this area is 36 feet below sea level. Write this depth as an integer.

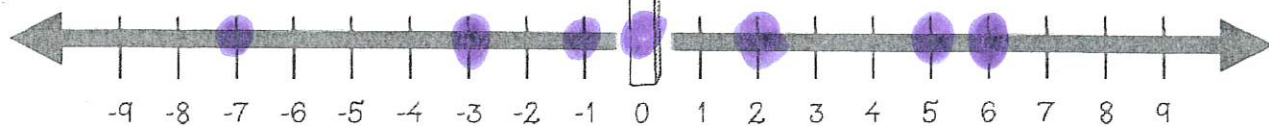


integers

negative

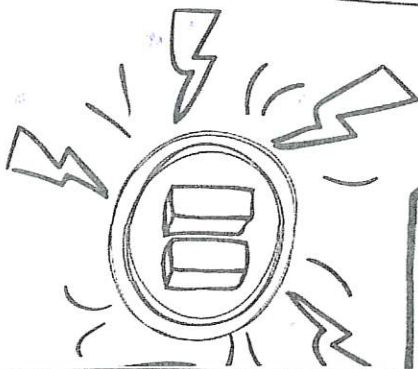
Not
top!

positives
R



LESSER

GREATER



Comparing
& ordering
integers

Plot the points on the number line,
then order from least to greatest:

6, -3, |2|, 0, |-5|, -7, -1

-7, -3, -1, 0, |2|, |-5|, 6

Name: _____

Compare using
<, >, or =

$$-2 > -3$$

$$|15| > -15$$

$$|-1| = 1$$

Order from least
to greatest.

$$0, -4, 1, |-4|, -2$$

$$-4, -2, 0, | -4|$$

$$-(-3), 2, -5, -8, -(7)$$

Opposite

$$-8, -(7), -5, 2, -(-3)$$