

Plot 0, 60, 40, -70, 100, and -35 on a numberline

## **Temperature & Number Lines**

Essential Question: Is  $-100$  or  $1$  bigger?  
How do you know?

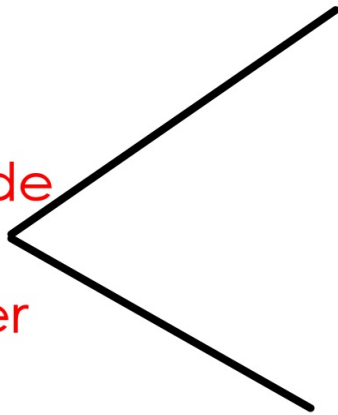
Turn to pg 1.

Number the number line from 100 to -100

With your partner, plot points 1 thru 6.

## Greater than & Less than

Smaller side  
points to  
the smaller  
number



Larger side points  
to the larger number

ex 1: 5  0

ex 2: 3  -5

2  1

$$2 \square 10$$



-30  4

$$5 \square - 2$$

-1  3

$$-2 \square -5$$

$$-1 \square -10$$

Turn to page 2.

Using your number line from pg 1,  
complete pg 2.

When you are done, check your  
answers with your partner.

I used the \_\_\_\_\_ sign, because in the word  
sentence it is given that \_\_\_\_\_ is  
greater/less than \_\_\_\_\_.

## Comparing Temperatures

### Verbal Sentence

The temperature in Death Valley is greater than the temperature in the North Pole

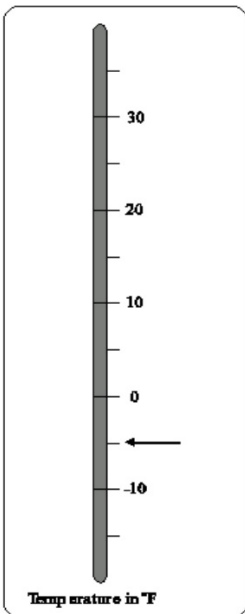
Forty is greater than zero.

### Number Sentence

Death Valley  North Pole

40  0

## Temperature Changes



Morning	Change	Afternoon
10	falls 10	
-10		10
	rises 10	20



Complete pg 3 individually.

Answer these questions with your partner:

Find a situation in which the morning temperature was negative, but the afternoon was positive. Describe what the change must be in order for that to happen.

Find a situation in which the morning temperature was positive, but the afternoon was negative. Describe what the change must be in order for that to happen.

Complete pg 4 with your partner, then answer the following questions:

If the temperature in LA started at  $70^{\circ}\text{F}$  and then fell  $55^{\circ}\text{F}$  would it be above or below zero. How do you know? What if the temperature fell  $75^{\circ}\text{F}$  instead?

If the temperature in Antarctica started at  $-20^{\circ}\text{F}$  and then rose  $26^{\circ}\text{F}$ , would it be above or below zero. How do you know? What if the temperature rose  $10^{\circ}\text{F}$  instead?

\_\_\_\_\_ is bigger than \_\_\_\_\_. I know  
this because \_\_\_\_\_  
\_\_\_\_\_.