

## Making More Comparisons (6.7.A.3.4)

### Illustrative Mathematics

#### 3.4: Making More Comparisons

1. The elevation of Death Valley, California is -282 feet. The elevation of Tallahassee, Florida is 203 feet.

- Write an inequality to compare these two elevations.
- The elevation of Westmorland, California is -157 feet. Write two inequalities: one to compare its elevation to that of Death Valley, and another to compare it to that of Tallahassee.

2. Three points—  $A$ ,  $B$ , and  $C$  —are all on a number line.

- $A$  and  $B$  are both on the left side of 0.
- $B$  is to the right of  $A$ .
- $B$  and  $C$  are opposites.

Make a sketch of a number line and the points based on the given information. Then, tell if each of the following statements is true.

- $A$  has a greater value than  $B$ .
- $A$  is a negative number and  $B$  is a positive number.
- The distance between  $B$  and 0 is smaller than the distance between  $A$  and 0.
- $C$  is a positive number.
- $B$  and  $C$  both are equally far away from 0.
- $B$  and  $C$  have the same value because they are the same distance from 0.

