

Lesson 16: Representing Rational Numbers

**Homework**

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**Name** \_\_\_\_\_ **Date** \_\_\_\_\_

**Directions:** Complete the questions about representing rational numbers.

In the table below are a list of original expressions. Using your knowledge of opposites with positive and negative numbers.

ORIGINAL EXPRESSION	WHAT DOES IT MEAN?
$\text{^-}(-72)$	
The opposite of 558	
$\text{^-}(-91)$	
$\text{^-}(41)$	
The opposite of $\text{^-}29$	

Write a numerical value that appropriately represents each of the scenarios below. Provide a short explanation for your choice.

1. The temperature is the opposite of  $\text{^-}27$  degrees.
  
2. Felix climbed down the mountain until he reached 40 feet above sea level.
  
3. Larry earns and deposits \$60 in tips from waiting tables.
  
4. Ella’s business lost \$100 from the excessive materials purchased.
  
5. The temperature increased to  $7^{\circ}\text{F}$ .