Lesson Summary

* To find the distance between two rational numbers on a number line, you can count the number of units between the numbers.
* Using a formula, the distance between rational numbers, $p$ and $q$, is $|p-q|$.
* Distance is always positive.
* Change may be positive or negative. For instance, there is a $-4°$ change when the temperature goes from $7°$ to $3°$.

Homework: Unit 2 Lesson 6

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| --- | --- |
| 1. $\left|-19-12\right|$
 | 1. $\left|19-\left(-12\right)\right|$
 |
| 1. $\left|10-\left(-43\right)\right|$
 | 1. $\left|-10-43\right|$
 |
| 1. $\left|-1-\left(-16\right)\right|$
 | 1. $\left|1-16\right|$
 |
| 1. $\left|0-\left(-9\right)\right|$
 | 1. $\left|0-9\right|$
 |
| 1. $\left|-14.5-13\right|$
 | 1. $\left|14.5-\left(-13\right)\right|$
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1. Describe any patterns you see in the answers to the problems in the left- and right-hand columns. Why do you think this pattern exists?

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