Module 2 Lesson 1

I will have an understanding of integers and apply integers to a real-life situation

Integer

8   - 8   0

Positive Whole numbers, their Opposites, and Zero

1. In coastal regions, some animals live above sea level and other animals live in the ocean. A sea star can be found at an ocean depth of two feet. How can you represent an ocean depth of two feet?

What do you know?

What do you need to find?

Real World Phrases

Negative	Zero	Positive
Below Lost	no change	Increase Income
Decrease Maxed out	Sea level	Above Credit
Depth Debt		Elevation Gain
Low Desend		High Raise
Discount Debit		Deposit Asend
Withdraw Drop		Grow

Temperature Readings

An <u>increase</u> in temperature of 8°.

+

8

10 degrees <u>above</u> zero

+

10

What does zero mean?

no change

Sea Level

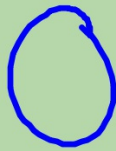Denali, formerly, Mt.McKinley, is 20,320ft high. +

20,320 +

Denali reaches an elevation of 20,320ft high. +

What does zero mean?
sea level

Baseball

BALL •• STRIKE •○• OUT •□
GUEST **8** HOME
2 INNING **6**

6th inning

o

There was no change in the score at halftime.

What does
zero mean?

no change

Shopping

A $16 discount on the shirt.

-16

What does zero mean?

Original price

Write the integer that represents the real world situation AND **highlight the key word** that tells you if the number will be positive, negative, or zero.

1. An increase in temperature of 8°. _____
   What does zero mean?

2. Denali, formerly, Mt.McKinley, is 20,320ft high._____
   What does zero mean?

3. There was no change in the score at halftime. _____
   What does zero mean?

4. A $16 discount on the shirt. _____
   What does zero mean?

Write the integer that represents the real world situation AND **underline the key word** that tells you if the number will be positive, negative, or zero.

5. She deposited $245 into her account. _+245_
   What does zero mean?
   no change

6. The Atlantic Ocean is a sea level. _0_
   What does zero mean?
   Sea level

7. The Packers lost 10 yards on the play. _−10_
   What does zero mean?
   no change

8. The diver swam to a depth of 30 feet.. _−30_
   What does zero mean? *sea level*

Integer Sort – Homework