

Name _____

KEY

Class _____

Date DAY 1

Score _____

Representing Real World Integers Homework

Part I: Write an integer that represents the number in each statement.

1. The stock lost \$4 in value today. -4
2. Cormorants, a species of seabirds, can dive 150 feet below sea level in search of food. -150
3. The coldest temperature ever recorded in Texas was 31 degrees Fahrenheit below zero. -31
4. Climbers ascend 1000 feet per day when climbing Mount Everest. 1000 or +1000
5. The puppy gained 2 pounds since his last visit to the veterinarian. +2 or 2
6. The Arctic sea ice receded 400 kilometers during the summer. -400
7. Karen and Jeff made \$75 in profit from their lemonade stand. 75 or +75
8. Edward owes Penelope \$25. -25

Part II: Explain in 2-4 sentences why $\frac{16}{4}$ can be classified as an integer but 12.5 cannot be classified as an integer.

Answers will vary.

16/4 can be classified as an integer because it has a value of 4, a whole number.

12.5 is a decimal and has a fractional part. Since it is not a whole number or its opposite, it cannot be classified as an integer.