Name \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Class \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Lesson #1 – Describing Integers HW

1. Write an integer to represent each of the following situations:

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

a. A company loses $345,000 in 2011.

b. You earned $25 for dog sitting.

c. Jacob owes his dad $5.

d. The temperature at the sun’s surface is about 5,600℃.

e. The temperature outside is 4 degrees below zero.

f. A football player lost 10 yards when he was tackled.

2. Describe a situation that can be modeled by the integer −15. Explain what zero represents in the situation.

3. What integer represents 7 units to the LEFT of 5 on a number line? (Draw a picture to help).

**Review Questions:**

4. An air conditioner that costs $350 is on sale for 45% off. What is the discount and sale price? SHOW ALL WORK.

5. Julie and Andrew wanted to convert .08 into a percent. Julie said it was 8% and Andrew said it was 80%. Who do you agree with? Use the conversion rules to support your answer.

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6. Complete the chart below.

|  |  |  |
| --- | --- | --- |
| **Decimal** | **Fraction** | **Percent** |
|  |  | 3% |
|  | 5/8 |  |
| .36 |  |  |