Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Table #: \_\_ Period: \_\_\_\_\_\_ Date: \_\_\_\_\_

**1.6B Integers Word Problems\_Homework**

1. Katherine is very interested in cryogenics (the science of very low temperatures). With the help of her science teacher she is doing an experiment on the affect of low temperatures on bacteria. She cools one sample of bacteria to a temperature of -51°C and another to -76°C. What was the temperature difference in the two experiments?

A) -127  
B) 25  
C) 127  
D) -25

1. On Tuesday the mailman delivers 3 checks for $5 each and 2 bills for $2 each. If you had a starting balance of $25, what is the ending balance?

A) 6  
B) 36  
C) 26  
D) -26

1. You owe $225. on your credit card. You make a $55. payment and then purchase $87 worth of clothes at Dillards. What is the integer that represents the balance owed on the credit card?

A) 367  
B) 257  
C) -367  
D) -257

1. If it is -25F in Rantoul and it is 75F in Honolulu, what is the temperature difference between the two cities?

A) -125  
B) -50  
C) 100  
D) 50

1. During the football game, Justin caught three passes. One was for a touchdown and went 52 yards. The other was for a first down and was for 17 yards. The other was on a screen pass that did not work so well and ended up a gain of -10 yards. What was the total yardage gained by Justin on the pass plays?

A) 62  
B) 69  
C) 59  
D) -39

1. James plays in the backfield of the Big Town football team. Last week he ran four plays from the halfback position. He made "gains" measured in yards of 3, 4, 1, and 5. What were his average yards per gain? Round your answer to the nearest tenth of a yard.

A) 3  
B) 3.2  
C) 13  
D) 4

1. A monkey sits on a limb that is 25 ft above the ground. He swings up 10 ft, climbs up 6 ft more then jumps down 13 ft. How far off the ground is the monkey now?

A) 54 ft  
B) 25 ft  
C) 31 ft  
D) 28 ft

1. Mary has $267 in her checking account. She writes checks for $33, $65, and $112 to pay her bill. What is the balance in her account now?

A) 57  
B) -57  
C) -67  
D) 67

1. **Mt. Everest, the highest elevation in Asia, is 29,028 feet above sea level. The Dead Sea, the lowest elevation, is 1,312 feet below sea level. What is the difference between these two elevations?**
2. **In Buffalo, New York, the temperature was -14°F in the morning. If the temperature dropped 7°F, what is the temperature now?**
3. **A submarine was situated 800 feet below sea level. If it ascends 250 feet, what is its new position?**
4. **Maggie owes the candy store $35. Each of 5 friends will help her pay off her debt. How much will each friend pay?**
5. **Lilly bought 4 pairs of blue jeans at $32 each. How much money did she pay the clerk?**
6. **A submarine was situated 450 feet below sea level. If it descends 300 feet, what is its new position?**
7. **In the Sahara Desert one day it was 136°F. In the Gobi Desert a temperature of -50°F was recorded. What is the difference between these two temperatures?**

<https://www.mathgoodies.com/lessons/vol5/challenge_vol5>