

Name _____

Date _____

Period _____

Pre-Algebra
Using Integers

1. Suppose you started for school at 7:30 a.m. and found that the outside temperature was -4°F . You realized you had forgotten your homework and went back inside. When you stepped back outside at 7:32 a.m., the temperature was 45°F ! This dramatic temperature change was recorded on January 22, 1943 in Spearfish, South Dakota. How much did the temperature rise in 2 minutes? (Write a subtraction equation)
2. The record high temperature in Florida was 109°F . The record low temperature is -2°F . What is the difference in temperature between the record high and the record low?
3. A scuba diver descended to a depth of 75 meters below sea level. He then rose 30 meters to an underwater living quarters. How far beneath the surface were the living quarters?

2. Ray's score at the end of the game was 80. Halfway through the game his score was -35. How many points did he score during the last half of the game?
5. The quotient of two integers is -32. The divisor is -8. What is the other integer?
6. Here is a famous problem. A snail at the bottom of a 10-foot hole crawls up 3 feet each day, but slips back 2 feet each night. How many days will it take the snail to reach the top of the hole and escape?
7. To raise \$300, the ninth grade presented a play for which they paid a royalty (money given to use the play) of \$25. Scenery and costumes cost \$45, and the programs and other expenses amounted to \$28. The sale of the tickets totaled \$295. Program advertisements brought \$87. Did the class raise the \$300? If not, by how much did it fall short?