

Name _____

Chapter 3

Problem solving with integers

	Work/diagram	Answer
1. On Monday, the high temperature in Alaska was -5 degrees. On Tuesday, it rose 14 degrees. On Wednesday, it dropped 20 degrees. What was the temperature on Wednesday?		
2. A scuba diver was swimming at an elevation of -8 meters. A shark was swimming at an elevation of -29 meters. Find the difference between the scuba diver and the shark.		
3. Bob had a balance of \$100 in his checking account. One day he wrote a check for \$33 and \$20. He also made a deposit of \$41. What was his new balance?		
4. The greatest temperature change ever recorded in a single day occurred in Browning, Montana, in 1916. The temperature dropped from 44 degrees to -56 degrees. What was the change in temperature?		
5. The world's tallest mountain, if measured from base to peak, is Mauna Kea in Hawaii. The base has an elevation of -19,680 feet. The peak has an elevation of 13,796 feet. How tall is Mauna Kea?		
6. Last week, Jane made deposits of \$64, \$25 and \$37 into her checking account. She then wrote checks for \$52 and \$49. What is Jane's account balance?		
7. The top of a tree is 25 feet. The roots of the tree are 18 feet in depth. What is the total height of the tree including the root system to the top of the tree?		
8. A small company had a loss of -\$528 in January. If it continues at this rate for the next 4 months, what will be the company's total amount of losses?		
9. The temperature rose 9 degrees in 3 hours. If the starting temperature was -5 degrees, what was the final temperature?		
10. The football team gained 8 yards on the first play. They lost 5 yards on the next play. What is the teams total yardage on the 2 plays?		