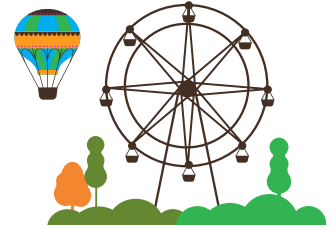


Add and Subtract Integers: Word Problems



Directions: Find the sum or difference for each problem below.

1. A school of fish was swimming 3 feet below the surface of a river. To avoid being caught in a fishing net, they swam down another 3 feet. What is the position of the fish now relative to the surface?

2. The temperature in Park Valley was -9°F when a warm front began to move through. The warm front caused the temperature to rise to 4°F . What was the change in temperature in Park Valley?

3. Derrick withdrew \$40 from his bank account to go to the state fair with friends. Later, he deposited \$15 that he made tutoring. What is the total change in Derrick's bank account relative to where it started?

4. When Ximena went to bed, the temperature outside was 12°F . When she woke up, the temperature had dropped 17°F from the night before. What was the temperature when Ximena woke up?

5. While scuba diving, Alana sees a large conch shell and swims 2 meters down for a closer look. Now, she is 11 meters below the surface of the water. What was Alana's position relative to the surface when she spotted the shell?

6. In Jax's favorite video game, players earn and lose points based on how well they avoid obstacles on the race track. First, Jax lost 20 points for getting stuck in a blizzard. Then, he gained 32 points for avoiding a flock of birds. What was Jax's score after he avoided a flock of birds?

7. The record high temperature in Norway is 96°F . The record low temperature in Norway is 157°F colder than the record high. What is the record low temperature in Norway?

8. At the beginning of his science experiment, Austin had 192 milliliters of water. During the experiment, the change in the volume of the water was -128 milliliters. What is the final volume of the water?

9. In the video game Ember Escape, Callie earned 55 points in Round 1 for sneaking past the ogre without disturbing him. In Round 2, she lost 70 points for waking the ogre. What was Callie's score at the end of Round 2?

Challenge: In the morning, the temperature in Green Valley was -5°F . By lunch, the temperature had risen by 6°F . When a storm blew in later in the day, the temperature dropped 14°F . What was the temperature in Green Valley after the storm blew in?