Problem 1: An elevator went up six floors and down two floors. How much higher or lower was the elevator than when it started?

Problem 2: Today's high temperature was twenty-four degrees. Today's low temperature was two degrees below zero. What was the change in temperature?

Problem 3: The temperature dropped two degrees every hour. How many degrees did it drop in six hours?

Problem 4: Bob spends $3 a day on lunch. So far this week Bob has spent a total of $12 for lunches. For how many days has Bob bought lunch?

Problem 5: Jon's final score on the game he was playing was 150. Midway through the game, his score was −50. How many points did he score the last half of the game?

Problem 6: Josh and Susie get on the elevator at the 1st floor. Josh gets off at the 12th floor, and Susie gets off 10 floors above that. Regan gets on the elevator when Susie gets off. If Regan goes down 8 floors, and then gets off, what floor is she on?

Problem 7: If a diver descends at a rate of 4 meters per minute, at what depth will she be after 8 minutes?

Problem 8: The net change in the price of a stock over a one-year period was −$126. What was the average change per month?

<u>ANSWERS</u>

Problem 1: An elevator went up three floors and down two floors. How much higher or lower was the elevator than when it started?
Answer: 3 + –2 = 1

Problem 2: Today's high temperature was six degrees. Today's low temperature was two degrees below zero. What was the change in temperature? Answer: 6 – (–2) = 8

Problem 3: The temperature dropped two degrees every hour. How many degrees did it drop in six hours? Answer: –2 x 6 = –12

Problem 4: Bob spends $3 a day on lunch. So far this week Bob has spent a total of $12 for lunches. For how many days has Bob bought lunch? Answer: $12 / $3 = 4

Problem 5: Jerry's final score on the game he was playing was 70. Midway through the game, his score was –25. How many points did he score the last half of the game? Answer: 95 points

Problem 6: Josh and Susie get on the elevator at the 1st floor. Josh gets off at the 12th floor, and Susie gets off 10 floors above that. Regan gets on the elevator when Susie gets off. If Regan goes down 8 floors, and then gets off, what floor is she on? Answer: 14th floor

Problem 7: If a diver descends at a rate of 4 meters per minute, at what depth will she be after 8 minutes? Answer: –32 meters

Problem 8: The net change in the price of a stock over a one-year period was –$126. What was the average change per month? Answer: –$10.50