STORY PROBLEMS WITH INTEGERS

Read carefully and solve.

1. When Steve woke up. His temperature was 102° F. Two hours later it was 3° lower. What was his temperature then?

2. An elevator is on the twentieth floor. It goes down 11 floors and then up 5 floors. What floor is the elevator on now?

3. A deep-sea exploring ship is pulling up a diver at the rate of 25 feet per minute. The diver is 200 feet below sea level. How deep was the diver 10 minutes ago?

4. If it is 5° outside and the temperature will drop 17° in the next six hours, how cold will it get?

5. Josie has $47 left on her checking account. If she writes a check for $55, what will Josie's balance be?

LIVEWORKSHEETS

6. Joe is playing a game with a regular die. If the number that turns up is even, he will gain 5 times the number that comes up. If it is odd, he will lose 10 times the number that comes up. He tosses a 3. Express the results as an integer.

7. It will be – 12° tonight. The weatherman predicts it will be 25° warmer by noon tomorrow. What will the temperature be by noon tomorrow?

8. The average temperature at the South Pole is – 45° F. The average temperature on the Equator is 92° F. How much warmer is the average temperature on the Equator than at the South Pole?

9. Felix reported that the coldest day on record for his town was five times colder than yesterday's temperature, –4° C. What was the temperature of the coldest day on record in Felix's town?

10. The elevation of Mt. Everest is 29,028 feet. The elevation of the Dead Sea is –485 feet. What is the difference in the elevation between Mt. Everest and the Dead Sea?

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11. A scuba diver swam 96 feet beneath the surface of the lake. He then climbs up 49 feet. What is his depth now?

12. The temperature was –3° C last night. It is now –4° C. What was the change in temperature?

13. While watching a football game, Lin Chow decided to list yardage gained as positive integers and yardage lost as negative integers. After these plays, Lin recorded 14, –7, and 9. What was the net gain or loss?

14. Pythagoras was born about 582 BC. Isaac Newton was born in 1643 AD. How many years apart were they born.?

15. Sonny has $75 to spend. The purchase he wants to make requires $93. If he borrows the extra money that he needs, how much does he need to borrow?

16. Two golfers completed one round of golf. The first golfer had a score of +6 and the second golfer had a score of –3. How many more shots did the first golfer take?

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17. What is the balance as a result of having a credit of $84 and a debit of $29?

18. The freezing point of water is 32° F. Tim added potassium and found out that the freezing point went down by 8° F. What was the freezing point of the water with the added potassium ?

19. The city's budget is $8,000,000. The city actually spends $12,000,000. What is the city's deficit?

20. The local movie theater reported losses of $475 each day for three days. What was the loss for the three days?

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