Word problems on Integers

1. The temperature was -14°F in the morning. If the temperature dropped 7°F, what is the temperature now?

2. A submarine was situated 800 feet below sea level. If it ascends 250 feet, what is its new position?

3. Lilly bought 4 pairs of blue jeans at $32 each. How much money did she pay the clerk?

4. Mt. Everest, the highest elevation in Asia, is 29,028 feet above sea level. The Dead Sea, the lowest elevation, is 1,312 feet below sea level. What is the difference between these two elevations?

5. Maggie owes the candy store $35. Each of 5 friends will help her pay off her debt. How much will each friend pay?

6. In the Sahara Desert one day it was 136°F. In the Gobi Desert a temperature of -50°F was recorded. What is the difference between these two temperatures?

7. Metal mercury at room temperature is a liquid. Its melting point is -39°C. The freezing point of alcohol is-114°C. How much warmer is the melting point of mercury than the freezing point of alcohol?

8. A submarine was situated 450 feet below sea level. If it descends 300 feet, what is its new position?

9. Death Valley is one of the hottest places on earth with a recorded maximum temperature of 57°celsius. The lowest temperature ever recorded was −89° Celsius in Antarctica. What is the difference between these two temperatures?

10. Sadly, Sonic's health is at −7 stars. Each magic potion that he finds gives him a health of 3 stars. Luckily, he finds 4 magic potions. What is Sonic's new health after drinking all 4 magic potions?

Answers:

1. -21
2. 550 ft
3. $128
4. 30,340 ft
5. $7
6. 86°F
7. -75°C
8. -750 ft
9. 146°C
10.   5