adding_and_subtracting_integers_word_problems_worksheet
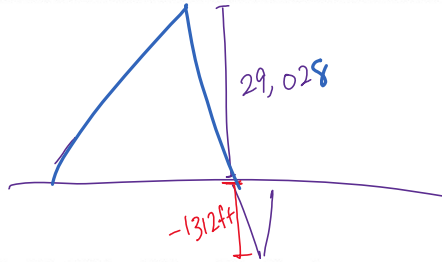
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adding_and
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Adding and Subtracting Integers Word Problems

1. 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?

29,028

−1312ft

$$29028 - (-1312) = 30340 \text{ feet}$$

2. In Buffalo, New York, the temperature was −14°F in the morning. If the temperature dropped 7°F, what is the temperature now?

$$-14 - 7 = \quad -21°F$$

go up in math
that means add.

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

increase

$$-800 + 250 = -550 \text{ feet}$$

4. 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?

means subtract

$$136 - (-50) = 136 + 50 = 186°F$$

5. Your checking account is overdrawn by $50. You write a check for $20. What is the balance in your account?
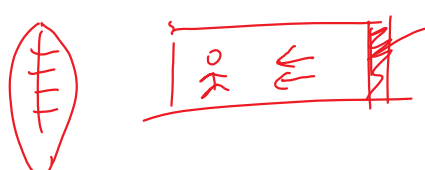
extra

$$\$50 - \$20 = \$30$$

6. A roller coaster begins at 90 feet above ground level. Then it descends 105 feet. Find the height of the coaster after the first descent.

$$90 - 105 = -15 \text{ feet}$$

7. Steve has overdrawn his checking account by $27. His bank charged him $15 for an overdraft fee. Then he quickly deposited $100. What is his current balance?

overdrawn: $+27$
charge: -15 } $+12$
Deposit: $\$100$

$\$112$

8. On the first play, the football team lost 6 yards. On the second play, the team lost 5 yards. What was their total change in yards?

$$-6 - 5 = -11 \text{ yards}$$

9. The price of a share of stock started the day at $37. During the day it went down $3, up $1, down $7, and up $4. What was the price of a share at the end of the day?

$$37 - 3 + 1 - 7 + 4 = 34 + 1 = 35 - 7 = 28 + 4 = \$32$$

10. An elevator went up 15 floors, down 9 floors, up 11 floors, and down 19 floors. Find the net change.

$$15 - 9 + 11 - 19 = -2 \text{ underground.}$$