

# Grade 8 Integers Word Problems

Integers • Grade 8 • Word Problems • Set B

Name: \_\_\_\_\_

Date: \_\_\_\_\_

*Read each problem carefully. Show your work, then write your answer on the line.*

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1. A diver is 88 meters below the surface and rises 8 meters. What is the diver's position, as an integer?

\_\_\_\_\_

2. On a winter night, the temperature was  $-11.7^{\circ}\text{F}$ . The next morning it was  $-28.8^{\circ}\text{F}$ . How many degrees did the temperature drop overnight?

\_\_\_\_\_

3. Ben's bank balance is \$-240. After a deposit of \$140, what is the balance?

\_\_\_\_\_

4. The temperature changed by  $-3.4^{\circ}\text{F}$  each hour for 3.2 hours. What was the total change in temperature?

\_\_\_\_\_

5. Ben gets in an elevator on floor 9, goes down 11 floors, then up 6 floors. Which floor is Ben on now?

\_\_\_\_\_

6. Willa's bank account balance was  $-\$27.25$ . Willa deposited \$115.00 and then spent \$73.91 on groceries. What is the new balance?

\_\_\_\_\_

7. Felix's bank balance is \$-100. After a deposit of \$250, what is the balance?

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8. A deep-sea fish swam from -153 feet to -88 feet. How many feet did the fish rise?

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9. Hana gets in an elevator on floor 5, goes down 9 floors, then up 2 floors. Which floor is Hana on now?

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10. Felix had \$27.50 in an account, then made 2 equal withdrawals of \$21.25 each. What is the account balance after the withdrawals?

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## Answer Key

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1. -80

5. 4

9. -2

2.  $17.1^{\circ}\text{F}$

6. \$13.84

10. -\$15.00

3. \$-100

7. \$150

4.  $-10.88^{\circ}\text{F}$

8. 65 feet