

Grade 8 Integers Word Problems

Integers • Grade 8 • Word Problems • Set A

Name: _____

Date: _____

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

1. Uma gets in an elevator on floor 13, goes down 17 floors, then up 2 floors. Which floor is Uma on now?

2. The water level in a reservoir dropped 1.25 feet per day for 4 days and then rose 0.75 feet per day for 2 days. What was the total change in water level?

3. Sam's bank balance is \$-40. After a deposit of \$290, what is the balance?

4. A store marked down all prices by $\frac{3}{4}$. If a jacket originally cost \$80.28, how much does the jacket cost after the markdown?

5. Hana gets in an elevator on floor 12, goes down 14 floors, then up 6 floors. Which floor is Hana on now?

6. On a winter night, the temperature was -5.1°F . The next morning it was -18°F . How many degrees did the temperature drop overnight?

7. The temperature was -9°C at midnight and fell 6 degrees by dawn. What was the temperature at dawn?

8. A deep-sea fish swam from -202 feet to -115 feet. How many feet did the fish rise?

9. A diver is 64 meters below the surface and rises 25 meters. What is the diver's position, as an integer?

10. Tessa borrowed \$100 from a relative, paid back $\frac{2}{5}$ of the debt in the first month and $\frac{1}{4}$ of the debt in the second month. How much does Tessa still owe?

Answer Key

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1. -2

5. 4

9. -39

2. -3.5 feet

6. 12.9°F

10. \$35

3. \$250

7. -15°C

4. \$20.07

8. 87 feet