Name: _____

Rational Number Word Problems

Solve each problem.

1. Kim's balance is $22.56. She makes a purchase of $80.87. What is her new balance?

Answer: _____

2. A fish is at −4.7 m and a bird is 3 m above the water. How far apart are they?

Answer: _____

3. At 6 a.m. the temperature was −1°C. It rose 2 degrees by noon. What was the temperature at noon?

Answer: _____

4. A hiker descends 3/4 mile every hour for 8 hours. Write the change in elevation as a rational number.

Answer: _____

5. A tank's water level changed by −2 1/4 feet over 3 hours at a steady rate. What was the change per hour?

Answer: _____

6. Kim's balance is $36.06. She makes a purchase of $81.09. What is her new balance?

Answer: _____

7. A fish is at −1.4 m and a bird is 1.9 m above the water. How far apart are they?

Answer: _____

8. At 6 a.m. the temperature was −3.1°C. It rose 4.3 degrees by noon. What was the temperature at noon?

Answer: _____

9. A hiker descends 1 1/4 mile every hour for 7 hours. Write the change in elevation as a rational number.

Answer: _____

10. Kim's balance is $51.94. She makes a purchase of $76.05. What is her new balance?

Answer: _____

Name: **ANSWER KEY**

Rational Number Word Problems

Solve each problem.

1. Kim's balance is $22.56. She makes a purchase of $80.87. What is her new balance?

Answer: −$58.31

2. A fish is at −4.7 m and a bird is 3 m above the water. How far apart are they?

Answer: 7.7 m

3. At 6 a.m. the temperature was −1°C. It rose 2 degrees by noon. What was the temperature at noon?

Answer: 1°C

4. A hiker descends 3/4 mile every hour for 8 hours. Write the change in elevation as a rational number.

Answer: − 6 miles

5. A tank's water level changed by −2 1/4 feet over 3 hours at a steady rate. What was the change per hour?

Answer: $-\frac{3}{4}$ feet

6. Kim's balance is $36.06. She makes a purchase of $81.09. What is her new balance?

Answer: −$45.03

7. A fish is at −1.4 m and a bird is 1.9 m above the water. How far apart are they?

Answer: 3.3 m

8. At 6 a.m. the temperature was −3.1°C. It rose 4.3 degrees by noon. What was the temperature at noon?

Answer: 1.2°C

9. A hiker descends 1 1/4 mile every hour for 7 hours. Write the change in elevation as a rational number.

Answer: $-8\frac{3}{4}$ miles

10. Kim's balance is $51.94. She makes a purchase of $76.05. What is her new balance?

Answer: −$24.11