

**Solve each problem.****Answers**

- 1) At noon the temperature was 0°C . Over the next 4 hours the temperature dropped another 11 degrees. Then every hour until 4:00 the temperature rose 3 degrees. What was the temperature at 4:00?
- 2) Bianca was playing a trivia game where you gained points for correct answers and lost points for incorrect answers. At the start of round 3 she was at -600 points. During the round she answered 5 900 point questions correct and she answered 6 800 points questions incorrect. What was her score at the end of the round?
- 3) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered \$1.03, for each pound of aluminum they offered \$2.77 and for each pound of plastic they offered \$0.38. Cody took in 11 pounds of paper, 15 pounds of aluminum and 8 pounds of plastic. How much money did he earn?
- 4) A deluxe bakery sells a cookie for \$3.64, a brownie for \$2.92 and a cake for \$21.70. On Wednesday they sold 11 cookies, 5 brownies and 1 cakes. The cost in ingredients for each cookie is \$1.77, for each brownie is \$1.02 and for each cake is \$4.62. How much profit did they make on Wednesday?
- 5) At the state fair 7 employees were paid \$8.88 an hour. They worked for 10 hours at regular price and then for 5 hours at overtime price (an extra \$5.42 an hour). How much money did they make total?

1. _____

2. _____

3. _____

4. _____

5. _____



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Answers

- 1) At noon the temperature was 0°C . Over the next 4 hours the temperature dropped another 11 degrees. Then every hour until 4:00 the temperature rose 3 degrees. What was the temperature at 4:00?

$$0 + (-1 \times 11) + ((6 - 4) \times 3)$$

1. **-5**

- 2) Bianca was playing a trivia game where you gained points for correct answers and lost points for incorrect answers. At the start of round 3 she was at -600 points. During the round she answered 5 900 point questions correct and she answered 6 800 points questions incorrect. What was her score at the end of the round?

$$-600 + (5 \times 900) + (6 \times 800 \times -1)$$

2. **-900**3. **55.92**4. **47.15**5. **1,122.1**

- 3) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered \$1.03, for each pound of aluminum they offered \$2.77 and for each pound of plastic they offered \$0.38. Cody took in 11 pounds of paper, 15 pounds of aluminum and 8 pounds of plastic. How much money did he earn?

$$(1.03 \times 11) + (2.77 \times 15) + (0.38 \times 8)$$

- 4) A deluxe bakery sells a cookie for \$3.64, a brownie for \$2.92 and a cake for \$21.70. On Wednesday they sold 11 cookies, 5 brownies and 1 cakes. The cost in ingredients for each cookie is \$1.77, for each brownie is \$1.02 and for each cake is \$4.62. How much profit did they make on Wednesday?

$$((11 \times 3.64) + (5 \times 2.92) + (1 \times 21.7)) - ((11 \times 1.77) + (5 \times 1.02) + (1 \times 4.62))$$

- 5) At the state fair 7 employees were paid \$8.88 an hour. They worked for 10 hours at regular price and then for 5 hours at overtime price (an extra \$5.42 an hour). How much money did they make total?

$$(7 \times 8.88 \times 10) + ((5.42 + 8.88) \times 5 \times 7)$$