

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

- 1) At noon the temperature was  $-1^{\circ}\text{C}$ . Over the next 3 hours the temperature dropped another 9 degrees. Then every hour until 4:00 the temperature rose 2 degrees. What was the temperature at 4:00?
- 2) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered \$1.77, for each pound of aluminum they offered \$1.32 and for each pound of plastic they offered \$0.77. Adam took in 15 pounds of paper, 8 pounds of aluminum and 13 pounds of plastic. How much money did he earn?
- 3) Isabel and 6 friends were going to the movies. Each ticket cost \$11.00 and then they bought 2 popcorns at \$4.00 a piece and then each person bought their own soda at \$3.25 each. How much money did they spend total for their trip to the movies?
- 4) A deluxe bakery sells a cookie for \$2.24, a brownie for \$2.62 and a cake for \$19.92. On Wednesday they sold 15 cookies, 5 brownies and 5 cakes. The cost in ingredients for each cookie is \$1.05, for each brownie is \$0.06 and for each cake is \$4.20. How much profit did they make on Wednesday?
- 5) At the state fair 4 employees were paid \$8.22 an hour. They worked for 8 hours at regular price and then for 3 hours at overtime price (an extra \$4.10 an hour). How much money did they make total?

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_



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**Answers**

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$$-1 + (-1 \times 9) + ((8 - 3) \times 2)$$

1. 0

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$$(1.77 \times 15) + (1.32 \times 8) + (0.77 \times 13)$$

2. 47.123. 107.754. 109.255. 410.88

- 3) Isabel and 6 friends were going to the movies. Each ticket cost \$11.00 and then they bought 2 popcorns at \$4.00 a piece and then each person bought their own soda at \$3.25 each. How much money did they spend total for their trip to the movies?

$$(11 \times (6 + 1)) + (2 \times 4) + (3.25 \times (6 + 1))$$

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$$((15 \times 2.24) + (5 \times 2.62) + (5 \times 19.92)) - ((15 \times 1.05) + (5 \times 0.06) + (5 \times 4.20))$$

- 5) At the state fair 4 employees were paid \$8.22 an hour. They worked for 8 hours at regular price and then for 3 hours at overtime price (an extra \$4.10 an hour). How much money did they make total?

$$(4 \times 8.22 \times 8) + ((4.1 + 8.22) \times 3 \times 4)$$