

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

- 1) Luke started the month with \$177.43 in his bank account. Over the course of the month he got 2 paychecks. One for \$288.26 and the other was for \$298.50. He ended up spending \$296.14 on food, \$49.28 on gas and \$110.44 and on car insurance. Then he decided to buy a new ipad which cost him \$326.08. How much money was in Luke's account at the end of the month?
- 2) A deluxe bakery sells a cookie for \$2.45, a brownie for \$3.50 and a cake for \$12.68. On Wednesday they sold 12 cookies, 8 brownies and 2 cakes. The cost in ingredients for each cookie is \$0.05, for each brownie is \$1.18 and for each cake is \$7.71. How much profit did they make on Wednesday?
- 3) At noon the temperature was  $1^{\circ}\text{C}$ . Over the next 2 hours the temperature dropped another 3 degrees. Then every hour until 4:00 the temperature rose 2 degrees. What was the temperature at 4:00?
- 4) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered \$0.90, for each pound of aluminum they offered \$2.19 and for each pound of plastic they offered \$0.86. Will took in 14 pounds of paper, 13 pounds of aluminum and 15 pounds of plastic. How much money did he earn?
- 5) Gwen and 4 friends were going to the movies. Each ticket cost \$9.00 and then they bought 2 popcorns at \$3.00 a piece and then each person bought their own soda at \$2.75 each. How much money did they spend total for their trip to the movies?

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

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

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

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

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



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**Answers**

- 1) Luke started the month with \$177.43 in his bank account. Over the course of the month he got 2 paychecks. One for \$288.26 and the other was for \$298.50. He ended up spending \$296.14 on food, \$49.28 on gas and \$110.44 and on car insurance. Then he decided to buy a new ipad which cost him \$326.08. How much money was in Luke's account at the end of the month?

$$(177.43 + 288.26 + 298.5) - (296.14 + 49.28 + 110.44 + 326.08)$$

1. **-17.75**2. **57.3**3. **6**4. **53.97**

- 2) A deluxe bakery sells a cookie for \$2.45, a brownie for \$3.50 and a cake for \$12.68. On Wednesday they sold 12 cookies, 8 brownies and 2 cakes. The cost in ingredients for each cookie is \$0.05, for each brownie is \$1.18 and for each cake is \$7.71. How much profit did they make on Wednesday?

$$((12 \times 2.45) + (8 \times 3.5) + (2 \times 12.68)) - ((12 \times 0.05) + (8 \times 1.18) + (2 \times 7.71))$$

5. **64.75**

- 3) At noon the temperature was  $1^{\circ}\text{C}$ . Over the next 2 hours the temperature dropped another 3 degrees. Then every hour until 4:00 the temperature rose 2 degrees. What was the temperature at 4:00?

$$1 + (-1 \times 3) + ((6 - 2) \times 2)$$

- 4) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered \$0.90, for each pound of aluminum they offered \$2.19 and for each pound of plastic they offered \$0.86. Will took in 14 pounds of paper, 13 pounds of aluminum and 15 pounds of plastic. How much money did he earn?

$$(0.9 \times 14) + (2.19 \times 13) + (0.86 \times 15)$$

- 5) Gwen and 4 friends were going to the movies. Each ticket cost \$9.00 and then they bought 2 popcorns at \$3.00 a piece and then each person bought their own soda at \$2.75 each. How much money did they spend total for their trip to the movies?

$$(9 \times (4 + 1)) + (2 \times 3) + (2.75 \times (4 + 1))$$