

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

- 1) A deluxe bakery sells a cookie for \$3.55, a brownie for \$4.81 and a cake for \$24.19. On Wednesday they sold 14 cookies, 4 brownies and 5 cakes. The cost in ingredients for each cookie is \$1.32, for each brownie is \$0.54 and for each cake is \$4.66. How much profit did they make on Wednesday?
- 2) At the state fair 7 employees were paid \$8.93 an hour. They worked for 6 hours at regular price and then for 4 hours at overtime price (an extra 4.93 an hour). How much money did they make total?
- 3) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered \$1.59, for each pound of aluminum they offered \$2.14 and for each pound of plastic they offered \$0.52. Will took in 13 pounds of paper, 10 pounds of aluminum and 7 pounds of plastic. How much money did he earn?
- 4) At noon the temperature was -2° C. Over the next four hours the temperature dropped another 2 degrees. Then every hour until 6:00 the temperature rose 2 degrees. What was the temperature at 6:00?
- 5) A restaurant chef was ordering supplies. He ordered 4 pounds of beef at 6.17 per pound, 7 pounds of potatoes at \$10.79 a pound and 7 pounds of carrots at \$9.84 per pound. He estimates that this will make 25 meals. If he charges 34.79 per meal how much profit will he make?

1. _____
2. _____
3. _____
4. _____
5. _____

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- 1) A deluxe bakery sells a cookie for \$3.55, a brownie for \$4.81 and a cake for \$24.19. On Wednesday they sold 14 cookies, 4 brownies and 5 cakes. The cost in ingredients for each cookie is \$1.32, for each brownie is \$0.54 and for each cake is \$4.66. How much profit did they make on Wednesday?

$$((14 \times 3.55) + (4 \times 4.81) + (5 \times 24.19)) - ((14 \times 1.32) + (4 \times 0.54) + (5 \times 4.66))$$

1. **145.95**2. **763.14**3. **45.71**4. **0**5. **700.66**

- 2) At the state fair 7 employees were paid \$8.93 an hour. They worked for 6 hours at regular price and then for 4 hours at overtime price (an extra 4.93 an hour). How much money did they make total?

$$(7 \times 8.93 \times 6) + ((4.93 + 8.93) \times 4 \times 7)$$

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$$(1.59 \times 13) + (2.14 \times 10) + (0.52 \times 7)$$

- 4) At noon the temperature was -2°C . Over the next four hours the temperature dropped another 2 degrees. Then every hour until 6:00 the temperature rose 2 degrees. What was the temperature at 6:00?

$$-2 + (-1 \times 2) + ((6 - 4) \times 2)$$

- 5) A restaurant chef was ordering supplies. He ordered 4 pounds of beef at 6.17 per pound, 7 pounds of potatoes at \$10.79 a pound and 7 pounds of carrots at \$9.84 per pound. He estimates that this will make 25 meals. If he charges 34.79 per meal how much profit will he make?

$$(25 \times 34.79) - ((4 \times 6.17) + (7 \times 10.79) + (7 \times 9.84))$$