

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

- 1) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered \$1.94, for each pound of aluminum they offered \$1.33 and for each pound of plastic they offered \$0.52. Henry took in 9 pounds of paper, 15 pounds of aluminum and 15 pounds of plastic. How much money did he earn?
- 2) A deluxe bakery sells a cookie for \$2.55, a brownie for \$2.74 and a cake for \$19.33. On Wednesday they sold 15 cookies, 6 brownies and 3 cakes. The cost in ingredients for each cookie is \$1.52, for each brownie is \$1.40 and for each cake is \$6.23. How much profit did they make on Wednesday?
- 3) 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 2 700 point questions correct and she answered 6 200 points questions incorrect. What was her score at the end of the round?
- 4) Kaleb started the month with \$183.66 in his bank account. Over the course of the month he got 2 paychecks. One for \$227.79 and the other was for \$247.07. He ended up spending \$297.84 on food, \$47.04 on gas and \$110.28 and on car insurance. Then he decided to buy a new ipad which cost him \$497.33. How much money was in Kaleb's account at the end of the month?
- 5) A restaurant chef was ordering supplies. He ordered 9 pounds of beef at \$7.08 per pound, 5 pounds of potatoes at \$10.93 a pound and 5 pounds of carrots at \$9.31 per pound. He estimates that this will make 27 meals. If he charges \$37.76 per meal how much profit will he make?

1. _____

2. _____

3. _____

4. _____

5. _____



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Answers

- 1) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered \$1.94, for each pound of aluminum they offered \$1.33 and for each pound of plastic they offered \$0.52. Henry took in 9 pounds of paper, 15 pounds of aluminum and 15 pounds of plastic. How much money did he earn?

$$(1.94 \times 9) + (1.33 \times 15) + (0.52 \times 15)$$

1. **45.21**2. **62.79**3. **-400**4. **-293.97**5. **854.6**

- 2) A deluxe bakery sells a cookie for \$2.55, a brownie for \$2.74 and a cake for \$19.33. On Wednesday they sold 15 cookies, 6 brownies and 3 cakes. The cost in ingredients for each cookie is \$1.52, for each brownie is \$1.40 and for each cake is \$6.23. How much profit did they make on Wednesday?

$$((15 \times 2.55) + (6 \times 2.74) + (3 \times 19.33)) - ((15 \times 1.52) + (6 \times 1.40) + (3 \times 6.23))$$

- 3) 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 2 700 point questions correct and she answered 6 200 points questions incorrect. What was her score at the end of the round?

$$-600 + (2 \times 700) + (6 \times 200 \times -1)$$

- 4) Kaleb started the month with \$183.66 in his bank account. Over the course of the month he got 2 paychecks. One for \$227.79 and the other was for \$247.07. He ended up spending \$297.84 on food, \$47.04 on gas and \$110.28 and on car insurance. Then he decided to buy a new ipad which cost him \$497.33. How much money was in Kaleb's account at the end of the month?

$$(183.66 + 227.79 + 247.07) - (297.84 + 47.04 + 110.28 + 497.33)$$

- 5) A restaurant chef was ordering supplies. He ordered 9 pounds of beef at \$7.08 per pound, 5 pounds of potatoes at \$10.93 a pound and 5 pounds of carrots at \$9.31 per pound. He estimates that this will make 27 meals. If he charges \$37.76 per meal how much profit will he make?

$$(27 \times 37.76) - ((9 \times 7.08) + (5 \times 10.93) + (5 \times 9.31))$$