

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

- 1) Kaleb started the month with \$172.51 in his bank account. Over the course of the month he got 2 paychecks. One for \$201.80 and the other was for \$276.78. He ended up spending \$277.61 on food, \$47.02 on gas and \$102.87 and on car insurance. Then he decided to buy a new ipad which cost him \$326.58. How much money was in Kaleb's account at the end of the month?
- 2) A new pizza shop opened up and started out \$6,057.71 in the hole. Their first month being open they sold 56 pizzas (\$6.34 profit each) and 100 sodas (\$1.48 profit each). Their bills for the first month were \$1,341.44. How much money do they still need to make to break even?
- 3) A restaurant chef was ordering supplies. He ordered 4 pounds of beef at \$9.79 per pound, 6 pounds of potatoes at \$6.31 a pound and 4 pounds of carrots at \$10.19 per pound. He estimates that this will make 24 meals. If he charges \$44.89 per meal how much profit will he make?
- 4) Debby 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 4 800 point questions correct and she answered 9 800 points questions incorrect. What was her score at the end of the round?
- 5) A deluxe bakery sells a cookie for \$3.24, a brownie for \$4.35 and a cake for \$21.60. On Wednesday they sold 13 cookies, 9 brownies and 4 cakes. The cost in ingredients for each cookie is \$0.77, for each brownie is \$1.27 and for each cake is \$8.57. How much profit did they make on Wednesday?

1. _____

2. _____

3. _____

4. _____

5. _____



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Answers

- 1) Kaleb started the month with \$172.51 in his bank account. Over the course of the month he got 2 paychecks. One for \$201.80 and the other was for \$276.78. He ended up spending \$277.61 on food, \$47.02 on gas and \$102.87 and on car insurance. Then he decided to buy a new ipad which cost him \$326.58. How much money was in Kaleb's account at the end of the month?

$$(172.51 + 201.8 + 276.78) - (277.61 + 47.02 + 102.87 + 326.58)$$

1. **-102.99**2. **-6,896.11**3. **959.58**4. **-4,600**

- 2) A new pizza shop opened up and started out \$6,057.71 in the hole. Their first month being open they sold 56 pizzas (\$6.34 profit each) and 100 sodas (\$1.48 profit each). Their bills for the first month were \$1,341.44. How much money do they still need to make to break even?

$$(6057.71 \times -1) + ((56 \times 6.34) + (100 \times 1.48)) - (1341.44)$$

5. **111.95**

- 3) A restaurant chef was ordering supplies. He ordered 4 pounds of beef at \$9.79 per pound, 6 pounds of potatoes at \$6.31 a pound and 4 pounds of carrots at \$10.19 per pound. He estimates that this will make 24 meals. If he charges \$44.89 per meal how much profit will he make?

$$(24 \times 44.89) - ((4 \times 9.79) + (6 \times 6.31) + (4 \times 10.19))$$

- 4) Debby 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 4 800 point questions correct and she answered 9 800 points questions incorrect. What was her score at the end of the round?

$$-600 + (4 \times 800) + (9 \times 800 \times -1)$$

- 5) A deluxe bakery sells a cookie for \$3.24, a brownie for \$4.35 and a cake for \$21.60. On Wednesday they sold 13 cookies, 9 brownies and 4 cakes. The cost in ingredients for each cookie is \$0.77, for each brownie is \$1.27 and for each cake is \$8.57. How much profit did they make on Wednesday?

$$((13 \times 3.24) + (9 \times 4.35) + (4 \times 21.6)) - ((13 \times 0.77) + (9 \times 1.27) + (4 \times 8.57))$$