

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

- 1) A new pizza shop opened up and started out \$5,905.55 in the hole. Their first month being open they sold 73 pizzas (\$6.62 profit each) and 83 sodas (\$1.41 profit each). Their bills for the first month were \$1,815.13. How much money do they still need to make to break even?

- 2) Carol 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 -800 points. During the round she answered 9 300 point questions correct and she answered 5 800 points questions incorrect. What was her score at the end of the round?

- 3) A restaurant chef was ordering supplies. He ordered 4 pounds of beef at \$10.48 per pound, 7 pounds of potatoes at \$7.23 a pound and 8 pounds of carrots at \$10.06 per pound. He estimates that this will make 22 meals. If he charges \$41.76 per meal how much profit will he make?

- 4) 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 \$2.58 and for each pound of plastic they offered \$0.62. Cody took in 5 pounds of paper, 10 pounds of aluminum and 7 pounds of plastic. How much money did he earn?

- 5) Sarah and 3 friends were going to the movies. Each ticket cost \$14.00 and then they bought 2 popcorns at \$5.75 a piece and then each person bought their own soda at \$3.00 each. How much money did they spend total for their trip to the movies?

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

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- 1) A new pizza shop opened up and started out \$5,905.55 in the hole. Their first month being open they sold 73 pizzas (\$6.62 profit each) and 83 sodas (\$1.41 profit each). Their bills for the first month were \$1,815.13. How much money do they still need to make to break even?

$$(5905.55 \times -1) + ((73 \times 6.62) + (83 \times 1.41)) - (1815.13)$$

1. **-7,120.39**

- 2) Carol 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 -800 points. During the round she answered 9 300 point questions correct and she answered 5 800 points questions incorrect. What was her score at the end of the round?

$$-800 + (9 \times 300) + (5 \times 800 \times -1)$$

2. **-2,100**3. **745.71**4. **39.84**5. **79.5**

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$$(22 \times 41.76) - ((4 \times 10.48) + (7 \times 7.23) + (8 \times 10.06))$$

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$$(1.94 \times 5) + (2.58 \times 10) + (0.62 \times 7)$$

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$$(14 \times (3+1)) + (2 \times 5.75) + (3 \times (3+1))$$