

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

- 1) A new pizza shop opened up and started out \$5,453.40 in the hole. Their first month being open they sold 65 pizzas (\$5.08 profit each) and 80 sodas (\$1.44 profit each). Their bills for the first month were \$1,777.42. How much money do they still need to make to break even?

- 2) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered \$0.97, for each pound of aluminum they offered \$1.71 and for each pound of plastic they offered \$0.71. Henry took in 11 pounds of paper, 10 pounds of aluminum and 14 pounds of plastic. How much money did he earn?

- 3) At noon the temperature was 2° C. Over the next 2 hours the temperature dropped another 4 degrees. Then every hour until 4:00 the temperature rose 3 degrees. What was the temperature at 4:00?

- 4) Nancy and 5 friends were going to the movies. Each ticket cost \$11.00 and then they bought 3 popcorns at \$5.50 a piece and then each person bought their own soda at \$3.75 each. How much money did they spend total for their trip to the movies?

- 5) Olivia 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 -400 points. During the round she answered 2 300 point questions correct and she answered 5 900 points questions incorrect. What was her score at the end of the round?

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



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Answers

- 1) A new pizza shop opened up and started out \$5,453.40 in the hole. Their first month being open they sold 65 pizzas (\$5.08 profit each) and 80 sodas (\$1.44 profit each). Their bills for the first month were \$1,777.42. How much money do they still need to make to break even?

$$(5453.4 \times -1) + ((65 \times 5.08) + (80 \times 1.44)) - (1777.42)$$

1. **-6,785.42**

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$$(0.97 \times 11) + (1.71 \times 10) + (0.71 \times 14)$$

2. **37.71**3. **10**4. **105**

- 3) At noon the temperature was 2° C. Over the next 2 hours the temperature dropped another 4 degrees. Then every hour until 4:00 the temperature rose 3 degrees. What was the temperature at 4:00?

$$2 + (-1 \times 4) + ((6 - 2) \times 3)$$

5. **-4,300**

- 4) Nancy and 5 friends were going to the movies. Each ticket cost \$11.00 and then they bought 3 popcorns at \$5.50 a piece and then each person bought their own soda at \$3.75 each. How much money did they spend total for their trip to the movies?

$$(11 \times (5 + 1)) + (3 \times 5.5) + (3.75 \times (5 + 1))$$

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$$-400 + (2 \times 300) + (5 \times 900 \times -1)$$