

**Solve each problem.**

Ex) A new pizza shop opened up and started out \$5,344.61 in the hole. Their first month being open they sold 73 pizzas (\$4.96 profit each) and 93 sodas (\$1.14 profit each). Their bills for the first month were \$1,320.66. How much money do they still need to make to break even?

$$(5344.61 \times -1) + ((73 \times 4.96) + (93 \times 1.14)) - (1320.66)$$

- 1) Katie 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 -100 points. During the round she answered two 300 point questions correct and she answered eight 200 points questions incorrect. What was her score at the end of the round?

- 2) A deluxe bakery sells a cookie for \$2.72, a brownie for \$3.76 and a cake for \$10.78. On Wednesday they sold 14 cookies, 8 brownies and 2 cakes. The cost in ingredients for each cookie is \$1.59, for each brownie is \$1.15 and for each cake is \$4.99. How much profit did they make on Wednesday?

- 3) Lana and 3 friends were going to the movies. Each ticket cost \$9 and then they bought 2 popcorns at \$5.5 a piece and then each person bought their own soda at \$2 each. How much money did they spend total for their trip to the movies?

- 4) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered \$0.74, for each pound of aluminum they offered \$2.36 and for each pound of plastic they offered \$0.15. Victor took in 10 pounds of paper, 9 pounds of aluminum and 11 pounds of plastic. How much money did he earn?

- 5) At the state fair 4 employees were paid \$6.04 an hour. They worked for 9 hours at regular price and then for 4 hours at overtime price (an extra 2.26 an hour). How much money did they make total?

AnswersEx. -6,197.17

1. _____

2. _____

3. _____

4. _____

5. _____

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$$-100 + (2 \times 300) + (8 \times 200 \times -1)$$

- 2)** A deluxe bakery sells a cookie for \$2.72, a brownie for \$3.76 and a cake for \$10.78. On Wednesday they sold 14 cookies, 8 brownies and 2 cakes. The cost in ingredients for each cookie is \$1.59, for each brownie is \$1.15 and for each cake is \$4.99. How much profit did they make on Wednesday?

$$((14 \times 2.72) + (8 \times 3.76) + (2 \times 10.78)) - ((14 \times 1.59) + (8 \times 1.15) + (2 \times 4.99))$$

- 3)** Lana and 3 friends were going to the movies. Each ticket cost \$9 and then they bought 2 popcorns at \$5.5 a piece and then each person bought their own soda at \$2 each. How much money did they spend total for their trip to the movies?

$$(9 \times (3+1)) + (2 \times 5.5) + (2 \times (3+1))$$

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$$(0.74 \times 10) + (2.36 \times 9) + (0.15 \times 11)$$

- 5)** At the state fair 4 employees were paid \$6.04 an hour. They worked for 9 hours at regular price and then for 4 hours at overtime price (an extra 2.26 an hour). How much money did they make total?

$$(4 \times 6.04 \times 9) + ((2.26 + 6.04) \times 4 \times 4)$$

AnswersEx. -6,197.171. -1,1002. 48.283. 554. 30.295. 350.24