

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

- 1) Faye 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 9 600 points questions incorrect. What was her score at the end of the round?
- 2) A new pizza shop opened up and started out \$5,021.18 in the hole. Their first month being open they sold 74 pizzas (\$3.56 profit each) and 85 sodas (\$2.13 profit each). Their bills for the first month were \$1,150.68. How much money do they still need to make to break even?
- 3) A deluxe bakery sells a cookie for \$3.38, a brownie for \$4.19 and a cake for \$29.73. On Wednesday they sold 15 cookies, 9 brownies and 1 cakes. The cost in ingredients for each cookie is \$0.96, for each brownie is \$1.19 and for each cake is \$3.52. How much profit did they make on Wednesday?
- 4) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered \$0.11, for each pound of aluminum they offered \$1.59 and for each pound of plastic they offered \$0.23. Paul took in 11 pounds of paper, 14 pounds of aluminum and 12 pounds of plastic. How much money did he earn?
- 5) Gwen and 4 friends were going to the movies. Each ticket cost \$14.00 and then they bought 2 popcorns at \$5.50 a piece and then each person bought their own soda at \$2.00 each. How much money did they spend total for their trip to the movies?

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



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Answers

- 1) Faye 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 9 600 points questions incorrect. What was her score at the end of the round?

$$-400 + (2 \times 300) + (9 \times 600 \times -1)$$

1. **-5,200**

- 2) A new pizza shop opened up and started out \$5,021.18 in the hole. Their first month being open they sold 74 pizzas (\$3.56 profit each) and 85 sodas (\$2.13 profit each). Their bills for the first month were \$1,150.68. How much money do they still need to make to break even?

$$(5021.18 \times -1) + ((74 \times 3.56) + (85 \times 2.13)) - (1150.68)$$

2. **-5,727.37**3. **89.51**4. **26.23**5. **91**

- 3) A deluxe bakery sells a cookie for \$3.38, a brownie for \$4.19 and a cake for \$29.73. On Wednesday they sold 15 cookies, 9 brownies and 1 cakes. The cost in ingredients for each cookie is \$0.96, for each brownie is \$1.19 and for each cake is \$3.52. How much profit did they make on Wednesday?

$$((15 \times 3.38) + (9 \times 4.19) + (1 \times 29.73)) - ((15 \times 0.96) + (9 \times 1.19) + (1 \times 3.52))$$

- 4) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered \$0.11, for each pound of aluminum they offered \$1.59 and for each pound of plastic they offered \$0.23. Paul took in 11 pounds of paper, 14 pounds of aluminum and 12 pounds of plastic. How much money did he earn?

$$(0.11 \times 11) + (1.59 \times 14) + (0.23 \times 12)$$

- 5) Gwen and 4 friends were going to the movies. Each ticket cost \$14.00 and then they bought 2 popcorns at \$5.50 a piece and then each person bought their own soda at \$2.00 each. How much money did they spend total for their trip to the movies?

$$(14 \times (4 + 1)) + (2 \times 5.5) + (2 \times (4 + 1))$$