

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

- 1) A new pizza shop opened up and started out \$6,246.43 in the hole. Their first month being open they sold 55 pizzas (\$3.21 profit each) and 80 sodas (\$2.98 profit each). Their bills for the first month were \$1,489.92. How much money do they still need to make to break even?
- 2) Mike started the month with \$184.45 in his bank account. Over the course of the month he got 2 paychecks. One for \$232.98 and the other was for \$221.70. He ended up spending \$266.78 on food, \$50.29 on gas and \$125.45 and on car insurance. Then he decided to buy a new ipad which cost him \$314.94. How much money was in Mike's account at the end of the month?
- 3) At the state fair 6 employees were paid \$10.77 an hour. They worked for 6 hours at regular price and then for 3 hours at overtime price (an extra 2.92 an hour). How much money did they make total?
- 4) Debby and 4 friends were going to the movies. Each ticket cost \$15 and then they bought 2 popcorns at \$5.25 a piece and then each person bought their own soda at \$1 each. How much money did they spend total for their trip to the movies?
- 5) A deluxe bakery sells a cookie for \$2.42, a brownie for \$3.12 and a cake for \$20.36. On Wednesday they sold 14 cookies, 7 brownies and 1 cakes. The cost in ingredients for each cookie is \$1.41, for each brownie is \$1.57 and for each cake is \$3.74. How much profit did they make on Wednesday?

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

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1. **-7,321.4**

$$(6246.43 \times -1) + ((55 \times 3.21) + (80 \times 2.98)) - (1489.92)$$

2. **-118.33**

- 2) Mike started the month with \$184.45 in his bank account. Over the course of the month he got 2 paychecks. One for \$232.98 and the other was for \$221.70. He ended up spending \$266.78 on food, \$50.29 on gas and \$125.45 and on car insurance. Then he decided to buy a new ipad which cost him \$314.94. How much money was in Mike's account at the end of the month?

3. **634.14**

$$(184.45 + 232.98 + 221.7) - (266.78 + 50.29 + 125.45 + 314.94)$$

4. **90.5**

- 3) At the state fair 6 employees were paid \$10.77 an hour. They worked for 6 hours at regular price and then for 3 hours at overtime price (an extra 2.92 an hour). How much money did they make total?

5. **41.61**

$$(6 \times 10.77 \times 6) + ((2.92 + 10.77) \times 3 \times 6)$$

- 4) Debby and 4 friends were going to the movies. Each ticket cost \$15 and then they bought 2 popcorns at \$5.25 a piece and then each person bought their own soda at \$1 each. How much money did they spend total for their trip to the movies?

$$(15 \times (4 + 1)) + (2 \times 5.25) + (1 \times (4 + 1))$$

- 5) A deluxe bakery sells a cookie for \$2.42, a brownie for \$3.12 and a cake for \$20.36. On Wednesday they sold 14 cookies, 7 brownies and 1 cakes. The cost in ingredients for each cookie is \$1.41, for each brownie is \$1.57 and for each cake is \$3.74. How much profit did they make on Wednesday?

$$((14 \times 2.42) + (7 \times 3.12) + (1 \times 20.36)) - ((14 \times 1.41) + (7 \times 1.57) + (1 \times 3.74))$$