

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

- 1) Lana and 3 friends were going to the movies. Each ticket cost \$11.00 and then they bought 2 popcorns at \$5.75 a piece and then each person bought their own soda at \$1.00 each. How much money did they spend total for their trip to the movies?
- 2) A new pizza shop opened up and started out \$5,698.01 in the hole. Their first month being open they sold 69 pizzas (\$6.64 profit each) and 92 sodas (\$1.21 profit each). Their bills for the first month were \$1,634.51. How much money do they still need to make to break even?
- 3) Tom started the month with \$145.94 in his bank account. Over the course of the month he got 2 paychecks. One for \$291.25 and the other was for \$233.86. He ended up spending \$285.46 on food, \$42.53 on gas and \$116.30 and on car insurance. Then he decided to buy a new ipad which cost him \$499.66. How much money was in Tom's account at the end of the month?
- 4) A deluxe bakery sells a cookie for \$4.21, a brownie for \$3.78 and a cake for \$19.17. On Wednesday they sold 11 cookies, 7 brownies and 3 cakes. The cost in ingredients for each cookie is \$1.76, for each brownie is \$0.35 and for each cake is \$8.60. How much profit did they make on Wednesday?
- 5) At noon the temperature was  $-5^{\circ}\text{C}$ . Over the next 5 hours the temperature dropped another 7 degrees. Then every hour until 4:00 the temperature rose 2 degrees. What was the temperature at 4:00?

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_



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**Answers**

- 1) Lana and 3 friends were going to the movies. Each ticket cost \$11.00 and then they bought 2 popcorns at \$5.75 a piece and then each person bought their own soda at \$1.00 each. How much money did they spend total for their trip to the movies?

$$(11 \times (3+1)) + (2 \times 5.75) + (1 \times (3+1))$$

1. **59.5**

- 2) A new pizza shop opened up and started out \$5,698.01 in the hole. Their first month being open they sold 69 pizzas (\$6.64 profit each) and 92 sodas (\$1.21 profit each). Their bills for the first month were \$1,634.51. How much money do they still need to make to break even?

$$(5698.01 \times -1) + ((69 \times 6.64) + (92 \times 1.21)) - (1634.51)$$

2. **-6,763.04**3. **-272.9**4. **82.67**5. **-2**

- 3) Tom started the month with \$145.94 in his bank account. Over the course of the month he got 2 paychecks. One for \$291.25 and the other was for \$233.86. He ended up spending \$285.46 on food, \$42.53 on gas and \$116.30 and on car insurance. Then he decided to buy a new ipad which cost him \$499.66. How much money was in Tom's account at the end of the month?

$$(145.94 + 291.25 + 233.86) - (285.46 + 42.53 + 116.3 + 499.66)$$

- 4) A deluxe bakery sells a cookie for \$4.21, a brownie for \$3.78 and a cake for \$19.17. On Wednesday they sold 11 cookies, 7 brownies and 3 cakes. The cost in ingredients for each cookie is \$1.76, for each brownie is \$0.35 and for each cake is \$8.60. How much profit did they make on Wednesday?

$$((11 \times 4.21) + (7 \times 3.78) + (3 \times 19.17)) - ((11 \times 1.76) + (7 \times 0.35) + (3 \times 8.6))$$

- 5) At noon the temperature was  $-5^{\circ}\text{C}$ . Over the next 5 hours the temperature dropped another 7 degrees. Then every hour until 4:00 the temperature rose 2 degrees. What was the temperature at 4:00?

$$-5 + (-1 \times 7) + ((10 - 5) \times 2)$$