

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

- 1) At the state fair 9 employees were paid \$8.60 an hour. They worked for 8 hours at regular price and then for 2 hours at overtime price (an extra \$3.29 an hour). How much money did they make total?
- 2) Cody started the month with \$117.56 in his bank account. Over the course of the month he got 2 paychecks. One for \$202.20 and the other was for \$253.16. He ended up spending \$243.09 on food, \$42.20 on gas and \$113.17 and on car insurance. Then he decided to buy a new ipad which cost him \$420.57. How much money was in Cody's account at the end of the month?
- 3) A deluxe bakery sells a cookie for \$3.64, a brownie for \$3.97 and a cake for \$16.49. On Wednesday they sold 11 cookies, 6 brownies and 5 cakes. The cost in ingredients for each cookie is \$1.58, for each brownie is \$0.85 and for each cake is \$6.25. How much profit did they make on Wednesday?
- 4) Emily and 3 friends were going to the movies. Each ticket cost \$9.00 and then they bought 2 popcorns at \$4.50 a piece and then each person bought their own soda at \$3.00 each. How much money did they spend total for their trip to the movies?
- 5) At noon the temperature was 3° C. Over the next 4 hours the temperature dropped another 8 degrees. Then every hour until 4:00 the temperature rose 3 degrees. What was the temperature at 4:00?

1. _____

2. _____

3. _____

4. _____

5. _____



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Answers

- 1) At the state fair 9 employees were paid \$8.60 an hour. They worked for 8 hours at regular price and then for 2 hours at overtime price (an extra \$3.29 an hour). How much money did they make total?

$$(9 \times 8.6 \times 8) + ((3.29 + 8.6) \times 2 \times 9)$$

1. **833.22**

- 2) Cody started the month with \$117.56 in his bank account. Over the course of the month he got 2 paychecks. One for \$202.20 and the other was for \$253.16. He ended up spending \$243.09 on food, \$42.20 on gas and \$113.17 and on car insurance. Then he decided to buy a new ipad which cost him \$420.57. How much money was in Cody's account at the end of the month?

$$(117.56 + 202.2 + 253.16) - (243.09 + 42.2 + 113.17 + 420.57)$$

2. **-246.11**3. **92.58**4. **57**5. **4**

- 3) A deluxe bakery sells a cookie for \$3.64, a brownie for \$3.97 and a cake for \$16.49. On Wednesday they sold 11 cookies, 6 brownies and 5 cakes. The cost in ingredients for each cookie is \$1.58, for each brownie is \$0.85 and for each cake is \$6.25. How much profit did they make on Wednesday?

$$((11 \times 3.64) + (6 \times 3.97) + (5 \times 16.49)) - ((11 \times 1.58) + (6 \times 0.85) + (5 \times 6.25))$$

- 4) Emily and 3 friends were going to the movies. Each ticket cost \$9.00 and then they bought 2 popcorns at \$4.50 a piece and then each person bought their own soda at \$3.00 each. How much money did they spend total for their trip to the movies?

$$(9 \times (3 + 1)) + (2 \times 4.5) + (3 \times (3 + 1))$$

- 5) At noon the temperature was 3° C. Over the next 4 hours the temperature dropped another 8 degrees. Then every hour until 4:00 the temperature rose 3 degrees. What was the temperature at 4:00?

$$3 + (-1 \times 8) + ((7 - 4) \times 3)$$