Solving with Mixed Operations (Word)

Name:

Solve each problem.

1) At the state fair 8 employees were paid $10.20 an hour. They worked for 6 hours at regular price and then for 3 hours at overtime price (an extra 4.24 an hour). How much money did they make total?

2) Bianca and 6 friends were going to the movies. Each ticket cost $11 and then they bought 3 popcorns at $6.25 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?

3) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered $0.46, for each pound of aluminum they offered $2.54 and for each pound of plastic they offered $0.07. George took in 11 pounds of paper, 9 pounds of aluminum and 8 pounds of plastic. How much money did he earn?

4) At noon the temperature was 0° C. Over the next three hours the temperature dropped another 9 degrees. Then every hour until 7:00 the temperature rose 2 degrees. What was the temperature at 7:00?

5) A deluxe bakery sells a cookie for $3.6, a brownie for $3.72 and a cake for $14.35. On Wednesday they sold 14 cookies, 4 brownies and 4 cakes. The cost in ingredients for each cookie is $0.69, for each brownie is $0.18 and for each cake is $5.47. How much profit did they make on Wednesday?

Solve each problem.

Answers

1) At the state fair 8 employees were paid $10.20 an hour. They worked for 6 hours at regular price and then for 3 hours at overtime price (an extra 4.24 an hour). How much money did they make total?

(8×10.2×6)+((4.24+10.2)×3×8)

1. **836.16**

2. **109.75**

3. **28.48**

4. **-1**

5. **90.42**

2) Bianca and 6 friends were going to the movies. Each ticket cost $11 and then they bought 3 popcorns at $6.25 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?

(11×(6+1)) + (3×6.25) + (2×(6+1))

3) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered $0.46, for each pound of aluminum they offered $2.54 and for each pound of plastic they offered $0.07. George took in 11 pounds of paper, 9 pounds of aluminum and 8 pounds of plastic. How much money did he earn?

(0.46×11) + (2.54×9) + (0.07×8)

4) At noon the temperature was 0° C. Over the next three hours the temperature dropped another 9 degrees. Then every hour until 7:00 the temperature rose 2 degrees. What was the temperature at 7:00?

0+(-1×9)+((7-3)×2)

5) A deluxe bakery sells a cookie for $3.6, a brownie for $3.72 and a cake for $14.35. On Wednesday they sold 14 cookies, 4 brownies and 4 cakes. The cost in ingredients for each cookie is $0.69, for each brownie is $0.18 and for each cake is $5.47. How much profit did they make on Wednesday?

((14×3.6)+(4×3.72)+(4×14.35))- ((14×0.69)+(4×0.18)+(4×5.47))