

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

- 1) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered \$1.93, for each pound of aluminum they offered \$2.24 and for each pound of plastic they offered \$0.37. Frank took in 11 pounds of paper, 5 pounds of aluminum and 10 pounds of plastic. How much money did he earn?
  
- 2) At the state fair 8 employees were paid \$7.90 an hour. They worked for 10 hours at regular price and then for 3 hours at overtime price (an extra \$2.32 an hour). How much money did they make total?
  
- 3) Roger started the month with \$190.74 in his bank account. Over the course of the month he got 2 paychecks. One for \$255.86 and the other was for \$300.50. He ended up spending \$204.96 on food, \$50.78 on gas and \$114.03 and on car insurance. Then he decided to buy a new ipad which cost him \$401.66. How much money was in Roger's account at the end of the month?
  
- 4) A new pizza shop opened up and started out \$6,430.59 in the hole. Their first month being open they sold 64 pizzas (\$6.94 profit each) and 92 sodas (\$2.33 profit each). Their bills for the first month were \$1,962.86. How much money do they still need to make to break even?
  
- 5) At noon the temperature was  $5^{\circ}$  C. Over the next 2 hours the temperature dropped another 10 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**

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$$(1.93 \times 11) + (2.24 \times 5) + (0.37 \times 10)$$

1. 36.13

- 2) At the state fair 8 employees were paid \$7.90 an hour. They worked for 10 hours at regular price and then for 3 hours at overtime price (an extra \$2.32 an hour). How much money did they make total?

$$(8 \times 7.9 \times 10) + ((2.32 + 7.9) \times 3 \times 8)$$

2. 877.283. -24.334. -7,734.935. 4

- 3) Roger started the month with \$190.74 in his bank account. Over the course of the month he got 2 paychecks. One for \$255.86 and the other was for \$300.50. He ended up spending \$204.96 on food, \$50.78 on gas and \$114.03 and on car insurance. Then he decided to buy a new ipad which cost him \$401.66. How much money was in Roger's account at the end of the month?

$$(190.74 + 255.86 + 300.5) - (204.96 + 50.78 + 114.03 + 401.66)$$

- 4) A new pizza shop opened up and started out \$6,430.59 in the hole. Their first month being open they sold 64 pizzas (\$6.94 profit each) and 92 sodas (\$2.33 profit each). Their bills for the first month were \$1,962.86. How much money do they still need to make to break even?

$$(6430.59 \times -1) + ((64 \times 6.94) + (92 \times 2.33)) - (1962.86)$$

- 5) At noon the temperature was 5° C. Over the next 2 hours the temperature dropped another 10 degrees. Then every hour until 4:00 the temperature rose 3 degrees. What was the temperature at 4:00?

$$5 + (-1 \times 10) + ((5 - 2) \times 3)$$