## Solve each problem.

Ex) At the state fair 7 employees were paid \$9.50 an hour. They worked for 7 hours at regular price and then for 2 hours at overtime price (an extra 3.56 an hour). How much money did they make total?

 $(7 \times 9.5 \times 7) + ((3.56 + 9.5) \times 2 \times 7)$ 

- 1) At noon the temperature was  $0^{\circ}$  C. Over the next five hours the temperature dropped another 15 degrees. Then every hour until 7:00 the temperature rose 3 degrees. What was the temperature at 7:00?
- 2) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered \$1.06, for each pound of aluminum they offered \$2.74 and for each pound of plastic they offered \$0.49. Edward took in 14 pounds of paper, 15 pounds of aluminum and 15 pounds of plastic. How much money did he earn?
- 3) A new pizza shop opened up and started out \$5,123.70 in the hole. Their first month being open they sold 60 pizzas (\$6.94 profit each) and 98 sodas (\$2.24 profit each). Their bills for the first month were \$1,033.14. How much money do they still need to make to break even?
- 4) A restaurant chef was ordering supplies. He ordered 6 pounds of beef at 10.28 per pound, 6 pounds of potatoes at \$10.36 a pound and 9 pounds of carrots at \$7.69 per pound. He estimates that this will make 30 meals. If he charges 34.7 per meal how much profit will he make?
- 5) Janet and 4 friends were going to the movies. Each ticket cost \$15 and then they bought 3 popcorns at \$6.75 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?

Answers

Ex. 648.34

5.

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$$(7\times9.5\times7)+((3.56+9.5)\times2\times7)$$

1) At noon the temperature was  $0^{\circ}$  C. Over the next five hours the temperature dropped another 15 degrees. Then every hour until 7:00 the temperature rose 3 degrees. What was the temperature at 7:00?

$$0+(-1\times15)+((7-5)\times3)$$

2) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered \$1.06, for each pound of aluminum they offered \$2.74 and for each pound of plastic they offered \$0.49. Edward took in 14 pounds of paper, 15 pounds of aluminum and 15 pounds of plastic. How much money did he earn?

$$(1.06\times14) + (2.74\times15) + (0.49\times15)$$

3) A new pizza shop opened up and started out \$5,123.70 in the hole. Their first month being open they sold 60 pizzas (\$6.94 profit each) and 98 sodas (\$2.24 profit each). Their bills for the first month were \$1,033.14. How much money do they still need to make to break even?

$$(5123.7 \times -1) + ((60 \times 6.94) + (98 \times 2.24)) - (1033.14)$$

4) A restaurant chef was ordering supplies. He ordered 6 pounds of beef at 10.28 per pound, 6 pounds of potatoes at \$10.36 a pound and 9 pounds of carrots at \$7.69 per pound. He estimates that this will make 30 meals. If he charges 34.7 per meal how much profit will he make?

$$(30\times34.7)$$
- $((6\times10.28)+(6\times10.36)+(9\times7.69))$ 

5) Janet and 4 friends were going to the movies. Each ticket cost \$15 and then they bought 3 popcorns at \$6.75 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?

$$(15\times(4+1)) + (3\times6.75) + (1\times(4+1))$$