

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

- 1) A restaurant chef was ordering supplies. He ordered 8 pounds of beef at \$7.86 per pound, 9 pounds of potatoes at \$6.37 a pound and 5 pounds of carrots at \$10.05 per pound. He estimates that this will make 30 meals. If he charges \$48.95 per meal how much profit will he make?
- 2) Vanessa and 4 friends were going to the movies. Each ticket cost \$15.00 and then they bought 2 popcorns at \$3.00 a piece and then each person bought their own soda at \$2.50 each. How much money did they spend total for their trip to the movies?
- 3) At noon the temperature was 5° C. Over the next 4 hours the temperature dropped another 14 degrees. Then every hour until 4:00 the temperature rose 2 degrees. What was the temperature at 4:00?
- 4) At the state fair 6 employees were paid \$6.20 an hour. They worked for 6 hours at regular price and then for 2 hours at overtime price (an extra \$5.68 an hour). How much money did they make total?
- 5) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered \$1.23, for each pound of aluminum they offered \$1.79 and for each pound of plastic they offered \$0.37. Oliver took in 14 pounds of paper, 12 pounds of aluminum and 9 pounds of plastic. How much money did he earn?

1. _____

2. _____

3. _____

4. _____

5. _____



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Answers

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$$(30 \times 48.95) - ((8 \times 7.86) + (9 \times 6.37) + (5 \times 10.05))$$

1. **1,298.04**2. **93.5**3. **-5**4. **365.76**5. **42.03**

- 2) Vanessa and 4 friends were going to the movies. Each ticket cost \$15.00 and then they bought 2 popcorns at \$3.00 a piece and then each person bought their own soda at \$2.50 each. How much money did they spend total for their trip to the movies?

$$(15 \times (4 + 1)) + (2 \times 3) + (2.5 \times (4 + 1))$$

- 3) At noon the temperature was 5° C. Over the next 4 hours the temperature dropped another 14 degrees. Then every hour until 4:00 the temperature rose 2 degrees. What was the temperature at 4:00?

$$5 + (-1 \times 14) + ((6 - 4) \times 2)$$

- 4) At the state fair 6 employees were paid \$6.20 an hour. They worked for 6 hours at regular price and then for 2 hours at overtime price (an extra \$5.68 an hour). How much money did they make total?

$$(6 \times 6.2 \times 6) + ((5.68 + 6.2) \times 2 \times 6)$$

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$$(1.23 \times 14) + (1.79 \times 12) + (0.37 \times 9)$$