

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

- 1) A restaurant chef was ordering supplies. He ordered 6 pounds of beef at \$10.21 per pound, 7 pounds of potatoes at \$6.29 a pound and 4 pounds of carrots at \$10.79 per pound. He estimates that this will make 26 meals. If he charges \$43.99 per meal how much profit will he make?
- 2) Rachel was playing a trivia game where you gained points for correct answers and lost points for incorrect answers. At the start of round 3 she was at -800 points. During the round she answered 9 300 point questions correct and she answered 3 300 points questions incorrect. What was her score at the end of the round?
- 3) At the state fair 8 employees were paid \$6.86 an hour. They worked for 7 hours at regular price and then for 5 hours at overtime price (an extra \$5.98 an hour). How much money did they make total?
- 4) At noon the temperature was  $-2^{\circ}\text{C}$ . Over the next 3 hours the temperature dropped another 7 degrees. Then every hour until 4:00 the temperature rose 2 degrees. What was the temperature at 4:00?
- 5) Mike started the month with \$103.23 in his bank account. Over the course of the month he got 2 paychecks. One for \$222.41 and the other was for \$289.98. He ended up spending \$242.71 on food, \$45.31 on gas and \$100.01 and on car insurance. Then he decided to buy a new ipad which cost him \$321.95. How much money was in Mike's account at the end of the month?

1. \_\_\_\_\_

2. \_\_\_\_\_

3. \_\_\_\_\_

4. \_\_\_\_\_

5. \_\_\_\_\_



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**Answers**

- 1) A restaurant chef was ordering supplies. He ordered 6 pounds of beef at \$10.21 per pound, 7 pounds of potatoes at \$6.29 a pound and 4 pounds of carrots at \$10.79 per pound. He estimates that this will make 26 meals. If he charges \$43.99 per meal how much profit will he make?

$$(26 \times 43.99) - ((6 \times 10.21) + (7 \times 6.29) + (4 \times 10.79))$$

1. **995.29**2. **1,000**3. **897.76**4. **1**5. **-94.36**

- 2) Rachel was playing a trivia game where you gained points for correct answers and lost points for incorrect answers. At the start of round 3 she was at -800 points. During the round she answered 9 300 point questions correct and she answered 3 300 points questions incorrect. What was her score at the end of the round?

$$-800 + (9 \times 300) + (3 \times 300 \times -1)$$

- 3) At the state fair 8 employees were paid \$6.86 an hour. They worked for 7 hours at regular price and then for 5 hours at overtime price (an extra \$5.98 an hour). How much money did they make total?

$$(8 \times 6.86 \times 7) + ((5.98 + 6.86) \times 5 \times 8)$$

- 4) At noon the temperature was  $-2^{\circ}\text{C}$ . Over the next 3 hours the temperature dropped another 7 degrees. Then every hour until 4:00 the temperature rose 2 degrees. What was the temperature at 4:00?

$$-2 + (-1 \times 7) + ((8 - 3) \times 2)$$

- 5) Mike started the month with \$103.23 in his bank account. Over the course of the month he got 2 paychecks. One for \$222.41 and the other was for \$289.98. He ended up spending \$242.71 on food, \$45.31 on gas and \$100.01 and on car insurance. Then he decided to buy a new ipad which cost him \$321.95. How much money was in Mike's account at the end of the month?

$$(103.23 + 222.41 + 289.98) - (242.71 + 45.31 + 100.01 + 321.95)$$