

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

- 1) A restaurant chef was ordering supplies. He ordered 5 pounds of beef at \$7.73 per pound, 4 pounds of potatoes at \$8.65 a pound and 8 pounds of carrots at \$9.86 per pound. He estimates that this will make 23 meals. If he charges \$41.05 per meal how much profit will he make?
- 2) Sarah 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 -300 points. During the round she answered 4 500 point questions correct and she answered 4 100 points questions incorrect. What was her score at the end of the round?
- 3) A deluxe bakery sells a cookie for \$2.12, a brownie for \$4.66 and a cake for \$20.33. On Wednesday they sold 14 cookies, 5 brownies and 3 cakes. The cost in ingredients for each cookie is \$0.51, for each brownie is \$0.30 and for each cake is \$8.42. How much profit did they make on Wednesday?
- 4) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered \$1.41, for each pound of aluminum they offered \$1.46 and for each pound of plastic they offered \$0.78. Kaleb took in 7 pounds of paper, 10 pounds of aluminum and 5 pounds of plastic. How much money did he earn?
- 5) At noon the temperature was 1° C. Over the next 2 hours the temperature dropped another 12 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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- 1) A restaurant chef was ordering supplies. He ordered 5 pounds of beef at \$7.73 per pound, 4 pounds of potatoes at \$8.65 a pound and 8 pounds of carrots at \$9.86 per pound. He estimates that this will make 23 meals. If he charges \$41.05 per meal how much profit will he make?

$$(23 \times 41.05) - ((5 \times 7.73) + (4 \times 8.65) + (8 \times 9.86))$$

- 2) Sarah 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 -300 points. During the round she answered 4 500 point questions correct and she answered 4 100 points questions incorrect. What was her score at the end of the round?

$$-300 + (4 \times 500) + (4 \times 100 \times -1)$$

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$$((14 \times 2.12) + (5 \times 4.66) + (3 \times 20.33)) - ((14 \times 0.51) + (5 \times 0.3) + (3 \times 8.42))$$

- 4) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered \$1.41, for each pound of aluminum they offered \$1.46 and for each pound of plastic they offered \$0.78. Kaleb took in 7 pounds of paper, 10 pounds of aluminum and 5 pounds of plastic. How much money did he earn?

$$(1.41 \times 7) + (1.46 \times 10) + (0.78 \times 5)$$

- 5) At noon the temperature was 1° C. Over the next 2 hours the temperature dropped another 12 degrees. Then every hour until 4:00 the temperature rose 3 degrees. What was the temperature at 4:00?

$$1 + (-1 \times 12) + ((6 - 2) \times 3)$$

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