

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

- 1) A deluxe bakery sells a cookie for \$4.11, a brownie for \$2.60 and a cake for \$30.78. On Wednesday they sold 13 cookies, 8 brownies and 3 cakes. The cost in ingredients for each cookie is \$1.55, for each brownie is \$0.45 and for each cake is \$3.70. How much profit did they make on Wednesday?
  
- 2) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered \$1.86, for each pound of aluminum they offered \$1.41 and for each pound of plastic they offered \$0.55. George took in 14 pounds of paper, 6 pounds of aluminum and 9 pounds of plastic. How much money did he earn?
  
- 3) A restaurant chef was ordering supplies. He ordered 4 pounds of beef at \$6.90 per pound, 5 pounds of potatoes at \$9.78 a pound and 7 pounds of carrots at \$6.44 per pound. He estimates that this will make 27 meals. If he charges \$41.11 per meal how much profit will he make?
  
- 4) A new pizza shop opened up and started out \$6,003.08 in the hole. Their first month being open they sold 62 pizzas (\$6.12 profit each) and 90 sodas (\$2.08 profit each). Their bills for the first month were \$1,772.87. How much money do they still need to make to break even?
  
- 5) At noon the temperature was  $-2^{\circ}$  C. Over the next 5 hours the temperature dropped another 2 degrees. Then every hour until 4:00 the temperature rose 3 degrees. What was the temperature at 4:00?

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

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

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

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

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



Solve each problem.

Answers

- 1) A deluxe bakery sells a cookie for \$4.11, a brownie for \$2.60 and a cake for \$30.78. On Wednesday they sold 13 cookies, 8 brownies and 3 cakes. The cost in ingredients for each cookie is \$1.55, for each brownie is \$0.45 and for each cake is \$3.70. How much profit did they make on Wednesday?

$$((13 \times 4.11) + (8 \times 2.6) + (3 \times 30.78)) - ((13 \times 1.55) + (8 \times 0.45) + (3 \times 3.7))$$

1. 131.72

- 2) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered \$1.86, for each pound of aluminum they offered \$1.41 and for each pound of plastic they offered \$0.55. George took in 14 pounds of paper, 6 pounds of aluminum and 9 pounds of plastic. How much money did he earn?

$$(1.86 \times 14) + (1.41 \times 6) + (0.55 \times 9)$$

2. 39.453. 988.394. -7,209.315. 5

- 3) A restaurant chef was ordering supplies. He ordered 4 pounds of beef at \$6.90 per pound, 5 pounds of potatoes at \$9.78 a pound and 7 pounds of carrots at \$6.44 per pound. He estimates that this will make 27 meals. If he charges \$41.11 per meal how much profit will he make?

$$(27 \times 41.11) - ((4 \times 6.9) + (5 \times 9.78) + (7 \times 6.44))$$

- 4) A new pizza shop opened up and started out \$6,003.08 in the hole. Their first month being open they sold 62 pizzas (\$6.12 profit each) and 90 sodas (\$2.08 profit each). Their bills for the first month were \$1,772.87. How much money do they still need to make to break even?

$$(6003.08 \times -1) + ((62 \times 6.12) + (90 \times 2.08)) - (1772.87)$$

- 5) At noon the temperature was  $-2^{\circ}$  C. Over the next 5 hours the temperature dropped another 2 degrees. Then every hour until 4:00 the temperature rose 3 degrees. What was the temperature at 4:00?

$$-2 + (-1 \times 2) + ((8 - 5) \times 3)$$

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

- 1) At the state fair 4 employees were paid \$7.09 an hour. They worked for 7 hours at regular price and then for 2 hours at overtime price (an extra \$5.67 an hour). How much money did they make total?
- 2) Jerry started the month with \$172.43 in his bank account. Over the course of the month he got 2 paychecks. One for \$283.32 and the other was for \$271.91. He ended up spending \$261.28 on food, \$46.63 on gas and \$113.40 and on car insurance. Then he decided to buy a new ipad which cost him \$304.63. How much money was in Jerry's account at the end of the month?
- 3) Maria and 3 friends were going to the movies. Each ticket cost \$10.00 and then they bought 2 popcorns at \$6.50 a piece and then each person bought their own soda at \$1.00 each. How much money did they spend total for their trip to the movies?
- 4) At noon the temperature was  $-2^{\circ}$  C. Over the next 4 hours the temperature dropped another 13 degrees. Then every hour until 4:00 the temperature rose 3 degrees. What was the temperature at 4:00?
- 5) Amy 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 3 800 point questions correct and she answered 6 500 points questions incorrect. What was her score at the end of the round?

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_



Solve each problem.

Answers

- 1) At the state fair 4 employees were paid \$7.09 an hour. They worked for 7 hours at regular price and then for 2 hours at overtime price (an extra \$5.67 an hour). How much money did they make total?

$$(4 \times 7.09 \times 7) + ((5.67 + 7.09) \times 2 \times 4)$$

1. 300.6

- 2) Jerry started the month with \$172.43 in his bank account. Over the course of the month he got 2 paychecks. One for \$283.32 and the other was for \$271.91. He ended up spending \$261.28 on food, \$46.63 on gas and \$113.40 and on car insurance. Then he decided to buy a new ipad which cost him \$304.63. How much money was in Jerry's account at the end of the month?

$$(172.43 + 283.32 + 271.91) - (261.28 + 46.63 + 113.4 + 304.63)$$

2. 1.720000000000013. 574. 0

- 3) Maria and 3 friends were going to the movies. Each ticket cost \$10.00 and then they bought 2 popcorns at \$6.50 a piece and then each person bought their own soda at \$1.00 each. How much money did they spend total for their trip to the movies?

$$(10 \times (3 + 1)) + (2 \times 6.5) + (1 \times (3 + 1))$$

5. -1,400

- 4) At noon the temperature was  $-2^{\circ}$  C. Over the next 4 hours the temperature dropped another 13 degrees. Then every hour until 4:00 the temperature rose 3 degrees. What was the temperature at 4:00?

$$-2 + (-1 \times 13) + ((9 - 4) \times 3)$$

- 5) Amy 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 3 800 point questions correct and she answered 6 500 points questions incorrect. What was her score at the end of the round?

$$-800 + (3 \times 800) + (6 \times 500 \times -1)$$

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

- 1) A new pizza shop opened up and started out \$5,905.55 in the hole. Their first month being open they sold 73 pizzas (\$6.62 profit each) and 83 sodas (\$1.41 profit each). Their bills for the first month were \$1,815.13. How much money do they still need to make to break even?
  
- 2) Olivia 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 5 800 points questions incorrect. What was her score at the end of the round?
  
- 3) A restaurant chef was ordering supplies. He ordered 4 pounds of beef at \$10.48 per pound, 7 pounds of potatoes at \$7.23 a pound and 8 pounds of carrots at \$10.06 per pound. He estimates that this will make 22 meals. If he charges \$41.76 per meal how much profit will he make?
  
- 4) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered \$1.94, for each pound of aluminum they offered \$2.58 and for each pound of plastic they offered \$0.62. Frank took in 5 pounds of paper, 10 pounds of aluminum and 7 pounds of plastic. How much money did he earn?
  
- 5) Amy and 3 friends were going to the movies. Each ticket cost \$14.00 and then they bought 2 popcorns at \$5.75 a piece and then each person bought their own soda at \$3.00 each. How much money did they spend total for their trip to the movies?

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_



Solve each problem.

- 1) A new pizza shop opened up and started out \$5,905.55 in the hole. Their first month being open they sold 73 pizzas (\$6.62 profit each) and 83 sodas (\$1.41 profit each). Their bills for the first month were \$1,815.13. How much money do they still need to make to break even?

$$(5905.55 \times -1) + ((73 \times 6.62) + (83 \times 1.41)) - (1815.13)$$

- 2) Olivia 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 5 800 points questions incorrect. What was her score at the end of the round?

$$-800 + (9 \times 300) + (5 \times 800 \times -1)$$

- 3) A restaurant chef was ordering supplies. He ordered 4 pounds of beef at \$10.48 per pound, 7 pounds of potatoes at \$7.23 a pound and 8 pounds of carrots at \$10.06 per pound. He estimates that this will make 22 meals. If he charges \$41.76 per meal how much profit will he make?

$$(22 \times 41.76) - ((4 \times 10.48) + (7 \times 7.23) + (8 \times 10.06))$$

- 4) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered \$1.94, for each pound of aluminum they offered \$2.58 and for each pound of plastic they offered \$0.62. Frank took in 5 pounds of paper, 10 pounds of aluminum and 7 pounds of plastic. How much money did he earn?

$$(1.94 \times 5) + (2.58 \times 10) + (0.62 \times 7)$$

- 5) Amy and 3 friends were going to the movies. Each ticket cost \$14.00 and then they bought 2 popcorns at \$5.75 a piece and then each person bought their own soda at \$3.00 each. How much money did they spend total for their trip to the movies?

$$(14 \times (3+1)) + (2 \times 5.75) + (3 \times (3+1))$$

**Answers**

1. **-7,120.39**

2. **-2,100**

3. **745.71**

4. **39.84**

5. **79.5**



Solve each problem.

Answers

- 1) Kaleb started the month with \$172.51 in his bank account. Over the course of the month he got 2 paychecks. One for \$201.80 and the other was for \$276.78. He ended up spending \$277.61 on food, \$47.02 on gas and \$102.87 and on car insurance. Then he decided to buy a new ipad which cost him \$326.58. How much money was in Kaleb's account at the end of the month?
  
- 2) A new pizza shop opened up and started out \$6,057.71 in the hole. Their first month being open they sold 56 pizzas (\$6.34 profit each) and 100 sodas (\$1.48 profit each). Their bills for the first month were \$1,341.44. How much money do they still need to make to break even?
  
- 3) A restaurant chef was ordering supplies. He ordered 4 pounds of beef at \$9.79 per pound, 6 pounds of potatoes at \$6.31 a pound and 4 pounds of carrots at \$10.19 per pound. He estimates that this will make 24 meals. If he charges \$44.89 per meal how much profit will he make?
  
- 4) Debby 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 -600 points. During the round she answered 4 800 point questions correct and she answered 9 800 points questions incorrect. What was her score at the end of the round?
  
- 5) A deluxe bakery sells a cookie for \$3.24, a brownie for \$4.35 and a cake for \$21.60. On Wednesday they sold 13 cookies, 9 brownies and 4 cakes. The cost in ingredients for each cookie is \$0.77, for each brownie is \$1.27 and for each cake is \$8.57. How much profit did they make on Wednesday?

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_



Solve each problem.

Answers

- 1) Kaleb started the month with \$172.51 in his bank account. Over the course of the month he got 2 paychecks. One for \$201.80 and the other was for \$276.78. He ended up spending \$277.61 on food, \$47.02 on gas and \$102.87 and on car insurance. Then he decided to buy a new ipad which cost him \$326.58. How much money was in Kaleb's account at the end of the month?

$$(172.51+201.8+276.78)-(277.61+47.02+102.87+326.58)$$

1. **-102.99**

- 2) A new pizza shop opened up and started out \$6,057.71 in the hole. Their first month being open they sold 56 pizzas (\$6.34 profit each) and 100 sodas (\$1.48 profit each). Their bills for the first month were \$1,341.44. How much money do they still need to make to break even?

$$(6057.71 \times -1) + ((56 \times 6.34) + (100 \times 1.48)) - (1341.44)$$

2. **-6,896.11**

- 3) A restaurant chef was ordering supplies. He ordered 4 pounds of beef at \$9.79 per pound, 6 pounds of potatoes at \$6.31 a pound and 4 pounds of carrots at \$10.19 per pound. He estimates that this will make 24 meals. If he charges \$44.89 per meal how much profit will he make?

$$(24 \times 44.89) - ((4 \times 9.79) + (6 \times 6.31) + (4 \times 10.19))$$

3. **959.58**

- 4) Debby 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 -600 points. During the round she answered 4 800 point questions correct and she answered 9 800 points questions incorrect. What was her score at the end of the round?

$$-600 + (4 \times 800) + (9 \times 800 \times -1)$$

4. **-4,600**

- 5) A deluxe bakery sells a cookie for \$3.24, a brownie for \$4.35 and a cake for \$21.60. On Wednesday they sold 13 cookies, 9 brownies and 4 cakes. The cost in ingredients for each cookie is \$0.77, for each brownie is \$1.27 and for each cake is \$8.57. How much profit did they make on Wednesday?

$$((13 \times 3.24) + (9 \times 4.35) + (4 \times 21.6)) - ((13 \times 0.77) + (9 \times 1.27) + (4 \times 8.57))$$

5. **111.95**



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

- 1) A deluxe bakery sells a cookie for \$4.39, a brownie for \$4.07 and a cake for \$18.83. On Wednesday they sold 14 cookies, 8 brownies and 5 cakes. The cost in ingredients for each cookie is \$1.55, for each brownie is \$0.58 and for each cake is \$4.17. How much profit did they make on Wednesday?
  
- 2) A restaurant chef was ordering supplies. He ordered 7 pounds of beef at \$7.25 per pound, 5 pounds of potatoes at \$9.90 a pound and 9 pounds of carrots at \$9.13 per pound. He estimates that this will make 29 meals. If he charges \$35.79 per meal how much profit will he make?
  
- 3) George started the month with \$190.87 in his bank account. Over the course of the month he got 2 paychecks. One for \$232.64 and the other was for \$279.98. He ended up spending \$237.31 on food, \$40.51 on gas and \$118.67 and on car insurance. Then he decided to buy a new ipad which cost him \$374.13. How much money was in George's account at the end of the month?
  
- 4) At noon the temperature was  $-4^{\circ}$  C. Over the next 4 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) A new pizza shop opened up and started out \$5,027.10 in the hole. Their first month being open they sold 71 pizzas (\$6.63 profit each) and 84 sodas (\$2.63 profit each). Their bills for the first month were \$1,149.24. How much money do they still need to make to break even?

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

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

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

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

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



Solve each problem.

**Answers**

- 1) A deluxe bakery sells a cookie for \$4.39, a brownie for \$4.07 and a cake for \$18.83. On Wednesday they sold 14 cookies, 8 brownies and 5 cakes. The cost in ingredients for each cookie is \$1.55, for each brownie is \$0.58 and for each cake is \$4.17. How much profit did they make on Wednesday?

$$((14 \times 4.39) + (8 \times 4.07) + (5 \times 18.83)) - ((14 \times 1.55) + (8 \times 0.58) + (5 \times 4.17))$$

1. 140.98

- 2) A restaurant chef was ordering supplies. He ordered 7 pounds of beef at \$7.25 per pound, 5 pounds of potatoes at \$9.90 a pound and 9 pounds of carrots at \$9.13 per pound. He estimates that this will make 29 meals. If he charges \$35.79 per meal how much profit will he make?

$$(29 \times 35.79) - ((7 \times 7.25) + (5 \times 9.9) + (9 \times 9.13))$$

2. 855.493. -67.134. -25. -5,484.69

- 3) George started the month with \$190.87 in his bank account. Over the course of the month he got 2 paychecks. One for \$232.64 and the other was for \$279.98. He ended up spending \$237.31 on food, \$40.51 on gas and \$118.67 and on car insurance. Then he decided to buy a new ipad which cost him \$374.13. How much money was in George's account at the end of the month?

$$(190.87 + 232.64 + 279.98) - (237.31 + 40.51 + 118.67 + 374.13)$$

- 4) At noon the temperature was  $-4^{\circ}$  C. Over the next 4 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?

$$-4 + (-1 \times 10) + ((8 - 4) \times 3)$$

- 5) A new pizza shop opened up and started out \$5,027.10 in the hole. Their first month being open they sold 71 pizzas (\$6.63 profit each) and 84 sodas (\$2.63 profit each). Their bills for the first month were \$1,149.24. How much money do they still need to make to break even?

$$(5027.1 \times -1) + ((71 \times 6.63) + (84 \times 2.63)) - (1149.24)$$

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

- 1) A restaurant chef was ordering supplies. He ordered 5 pounds of beef at \$8.80 per pound, 6 pounds of potatoes at \$7.09 a pound and 5 pounds of carrots at \$7.19 per pound. He estimates that this will make 28 meals. If he charges \$34.97 per meal how much profit will he make?
  
- 2) A deluxe bakery sells a cookie for \$3.41, a brownie for \$4.88 and a cake for \$19.71. On Wednesday they sold 15 cookies, 6 brownies and 3 cakes. The cost in ingredients for each cookie is \$1.46, for each brownie is \$0.16 and for each cake is \$8.23. How much profit did they make on Wednesday?
  
- 3) At noon the temperature was  $-4^{\circ}$  C. Over the next 2 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) Maria 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 -100 points. During the round she answered 5 500 point questions correct and she answered 5 800 points questions incorrect. What was her score at the end of the round?
  
- 5) At the state fair 8 employees were paid \$9.04 an hour. They worked for 10 hours at regular price and then for 4 hours at overtime price (an extra \$3.21 an hour). How much money did they make total?

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

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

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

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

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



Solve each problem.

Answers

- 1) A restaurant chef was ordering supplies. He ordered 5 pounds of beef at \$8.80 per pound, 6 pounds of potatoes at \$7.09 a pound and 5 pounds of carrots at \$7.19 per pound. He estimates that this will make 28 meals. If he charges \$34.97 per meal how much profit will he make?

$$(28 \times 34.97) - ((5 \times 8.8) + (6 \times 7.09) + (5 \times 7.19))$$

1. 856.67

- 2) A deluxe bakery sells a cookie for \$3.41, a brownie for \$4.88 and a cake for \$19.71. On Wednesday they sold 15 cookies, 6 brownies and 3 cakes. The cost in ingredients for each cookie is \$1.46, for each brownie is \$0.16 and for each cake is \$8.23. How much profit did they make on Wednesday?

$$((15 \times 3.41) + (6 \times 4.88) + (3 \times 19.71)) - ((15 \times 1.46) + (6 \times 0.16) + (3 \times 8.23))$$

2. 92.013. -124. -1,6005. 1,115.2

- 3) At noon the temperature was  $-4^{\circ}$  C. Over the next 2 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?

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

- 4) Maria 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 -100 points. During the round she answered 5 500 point questions correct and she answered 5 800 points questions incorrect. What was her score at the end of the round?

$$-100 + (5 \times 500) + (5 \times 800 \times -1)$$

- 5) At the state fair 8 employees were paid \$9.04 an hour. They worked for 10 hours at regular price and then for 4 hours at overtime price (an extra \$3.21 an hour). How much money did they make total?

$$(8 \times 9.04 \times 10) + ((3.21 + 9.04) \times 4 \times 8)$$

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

- 1) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered \$1.94, for each pound of aluminum they offered \$1.33 and for each pound of plastic they offered \$0.52. Henry took in 9 pounds of paper, 15 pounds of aluminum and 15 pounds of plastic. How much money did he earn?
  
- 2) A deluxe bakery sells a cookie for \$2.55, a brownie for \$2.74 and a cake for \$19.33. On Wednesday they sold 15 cookies, 6 brownies and 3 cakes. The cost in ingredients for each cookie is \$1.52, for each brownie is \$1.40 and for each cake is \$6.23. How much profit did they make on Wednesday?
  
- 3) Bianca 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 -600 points. During the round she answered 2 700 point questions correct and she answered 6 200 points questions incorrect. What was her score at the end of the round?
  
- 4) Kaleb started the month with \$183.66 in his bank account. Over the course of the month he got 2 paychecks. One for \$227.79 and the other was for \$247.07. He ended up spending \$297.84 on food, \$47.04 on gas and \$110.28 and on car insurance. Then he decided to buy a new ipad which cost him \$497.33. How much money was in Kaleb's account at the end of the month?
  
- 5) A restaurant chef was ordering supplies. He ordered 9 pounds of beef at \$7.08 per pound, 5 pounds of potatoes at \$10.93 a pound and 5 pounds of carrots at \$9.31 per pound. He estimates that this will make 27 meals. If he charges \$37.76 per meal how much profit will he make?

1. \_\_\_\_\_
2. \_\_\_\_\_
3. \_\_\_\_\_
4. \_\_\_\_\_
5. \_\_\_\_\_



Solve each problem.

Answers

- 1) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered \$1.94, for each pound of aluminum they offered \$1.33 and for each pound of plastic they offered \$0.52. Henry took in 9 pounds of paper, 15 pounds of aluminum and 15 pounds of plastic. How much money did he earn?

$$(1.94 \times 9) + (1.33 \times 15) + (0.52 \times 15)$$

1. 45.21

- 2) A deluxe bakery sells a cookie for \$2.55, a brownie for \$2.74 and a cake for \$19.33. On Wednesday they sold 15 cookies, 6 brownies and 3 cakes. The cost in ingredients for each cookie is \$1.52, for each brownie is \$1.40 and for each cake is \$6.23. How much profit did they make on Wednesday?

$$((15 \times 2.55) + (6 \times 2.74) + (3 \times 19.33)) - ((15 \times 1.52) + (6 \times 1.4) + (3 \times 6.23))$$

2. 62.793. -4004. -293.975. 854.6

- 3) Bianca 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 -600 points. During the round she answered 2 700 point questions correct and she answered 6 200 points questions incorrect. What was her score at the end of the round?

$$-600 + (2 \times 700) + (6 \times 200 \times -1)$$

- 4) Kaleb started the month with \$183.66 in his bank account. Over the course of the month he got 2 paychecks. One for \$227.79 and the other was for \$247.07. He ended up spending \$297.84 on food, \$47.04 on gas and \$110.28 and on car insurance. Then he decided to buy a new ipad which cost him \$497.33. How much money was in Kaleb's account at the end of the month?

$$(183.66 + 227.79 + 247.07) - (297.84 + 47.04 + 110.28 + 497.33)$$

- 5) A restaurant chef was ordering supplies. He ordered 9 pounds of beef at \$7.08 per pound, 5 pounds of potatoes at \$10.93 a pound and 5 pounds of carrots at \$9.31 per pound. He estimates that this will make 27 meals. If he charges \$37.76 per meal how much profit will he make?

$$(27 \times 37.76) - ((9 \times 7.08) + (5 \times 10.93) + (5 \times 9.31))$$

**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  $-2^{\circ}$  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. \_\_\_\_\_



Solve each problem.

- 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?

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

- 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  $-2^{\circ}$  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?

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

Answers1. 995.292. 1,0003. 897.764. 15. -94.36



**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. Dave 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) Jerry 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 Jerry'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° 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. \_\_\_\_\_



Solve each problem.

- 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. Dave took in 11 pounds of paper, 5 pounds of aluminum and 10 pounds of plastic. How much money did he earn?

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

- 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?

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

- 3) Jerry 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 Jerry'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?

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

Answers1. 36.132. 877.283. -24.334. -7,734.935. 4

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

1) Faye and 4 friends were going to the movies. Each ticket cost \$12.00 and then they bought 2 popcorns at \$5.00 a piece and then each person bought their own soda at \$3.25 each. How much money did they spend total for their trip to the movies?

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

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

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

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

2) At the state fair 5 employees were paid \$6.60 an hour. They worked for 6 hours at regular price and then for 5 hours at overtime price (an extra \$4.90 an hour). How much money did they make total?

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

3) A deluxe bakery sells a cookie for \$4.33, a brownie for \$4.11 and a cake for \$23.58. On Wednesday they sold 13 cookies, 7 brownies and 3 cakes. The cost in ingredients for each cookie is \$0.28, for each brownie is \$0.30 and for each cake is \$4.12. How much profit did they make on Wednesday?

4) At noon the temperature was  $1^{\circ}$  C. Over the next 4 hours the temperature dropped another 3 degrees. Then every hour until 4:00 the temperature rose 3 degrees. What was the temperature at 4:00?

5) A restaurant chef was ordering supplies. He ordered 6 pounds of beef at \$7.48 per pound, 8 pounds of potatoes at \$9.66 a pound and 5 pounds of carrots at \$7.47 per pound. He estimates that this will make 21 meals. If he charges \$39.39 per meal how much profit will he make?



Solve each problem.

- 1) Faye and 4 friends were going to the movies. Each ticket cost \$12.00 and then they bought 2 popcorns at \$5.00 a piece and then each person bought their own soda at \$3.25 each. How much money did they spend total for their trip to the movies?

$$(12 \times (4+1)) + (2 \times 5) + (3.25 \times (4+1))$$

- 2) At the state fair 5 employees were paid \$6.60 an hour. They worked for 6 hours at regular price and then for 5 hours at overtime price (an extra \$4.90 an hour). How much money did they make total?

$$(5 \times 6.6 \times 6) + ((4.9 + 6.6) \times 5 \times 5)$$

- 3) A deluxe bakery sells a cookie for \$4.33, a brownie for \$4.11 and a cake for \$23.58. On Wednesday they sold 13 cookies, 7 brownies and 3 cakes. The cost in ingredients for each cookie is \$0.28, for each brownie is \$0.30 and for each cake is \$4.12. How much profit did they make on Wednesday?

$$((13 \times 4.33) + (7 \times 4.11) + (3 \times 23.58)) - ((13 \times 0.28) + (7 \times 0.3) + (3 \times 4.12))$$

- 4) At noon the temperature was  $1^\circ$  C. Over the next 4 hours the temperature dropped another 3 degrees. Then every hour until 4:00 the temperature rose 3 degrees. What was the temperature at 4:00?

$$1 + (-1 \times 3) + ((6-4) \times 3)$$

- 5) A restaurant chef was ordering supplies. He ordered 6 pounds of beef at \$7.48 per pound, 8 pounds of potatoes at \$9.66 a pound and 5 pounds of carrots at \$7.47 per pound. He estimates that this will make 21 meals. If he charges \$39.39 per meal how much profit will he make?

$$(21 \times 39.39) - ((6 \times 7.48) + (8 \times 9.66) + (5 \times 7.47))$$

Answers1. 86.252. 485.53. 137.74. 45. 667.68