**Solve each problem.**

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?

1. _____

2. _____

3. _____

4. _____

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. Sam took in 14 pounds of paper, 6 pounds of aluminum and 9 pounds of plastic. How much money did he earn?

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?

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° 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?

**Answer Key**

**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?

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

1. **131.72**

2. **39.45**

3. **988.39**

4. **-7,209.31**

**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. Sam took in 14 pounds of paper, 6 pounds of aluminum and 9 pounds of plastic. How much money did he earn?

$(1.86×14) + (1.41×6) + (0.55×9)$

5. **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?

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

**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?

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

**5)** At noon the temperature was -2° 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?

$-2+(-1×2)+( (8-5)×3)$

1-5 | 80 | 60 | 40 | 20 | 0

Name:

**Solve each problem.**

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?

1. _____

2. _____

3. _____

4. _____

2) Sam 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 Sam's account at the end of the month?

5. _____

3) Bianca 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° 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) 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 -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?

Name:

**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?

$(4×7.09×7)+((5.67+7.09)×2×4)$

2)  Sam 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 Sam's account at the end of the month?

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

3)  Bianca 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?

$(10×(3+1)) + (2×6.5) + (1×(3+1))$

4)  At noon the temperature was -2° 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?

$-2+(-1×13)+( (9-4)×3)$

5)  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 -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?

$-800+(3×800)+(6×500×-1)$

| | |
|---|---|
| 1. | **300.6** |
| 2. | **1.7200000000001** |
| 3. | **57** |
| 4. | **0** |
| 5. | **-1,400** |

1-5 | 80 | 60 | 40 | 20 | 0

**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?

1. _____

2. _____

3. _____

4. _____

2)  Carol 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?

5. _____

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. Cody took in 5 pounds of paper, 10 pounds of aluminum and 7 pounds of plastic. How much money did he earn?

5)  Sarah 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?

**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×-1)+((73×6.62)+(83×1.41))-(1815.13)

**2)** Carol 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+(9×300)+(5×800×-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?

(22×41.76)-((4×10.48)+(7×7.23)+(8×10.06))

**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. Cody took in 5 pounds of paper, 10 pounds of aluminum and 7 pounds of plastic. How much money did he earn?

(1.94×5) + (2.58×10) + (0.62×7)

**5)** Sarah 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×(3+1)) + (2×5.75) + (3×(3+1))

| | |
|---|---|
| 1. | **-7,120.39** |
| 2. | **-2,100** |
| 3. | **745.71** |
| 4. | **39.84** |
| 5. | **79.5** |

**Solve each problem.**

1) George 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 George's account at the end of the month?

1. _____

2. _____

3. _____

4. _____

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?

5. _____

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) Janet 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?

Name: **Answer Key**

**Solve each problem.**

**Answers**

1) George 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 George'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. **-6,896.11**

3. **959.58**

4. **-4,600**

5. **111.95**

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?

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

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?

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

4) Janet 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?

$-600+(4×800)+(9×800×-1)$

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?

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

1-5 | 80 | 60 | 40 | 20 | 0

**Solve each problem.**

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?

1. _____

2. _____

3. _____

4. _____

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?

5. _____

3)  Roger 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 Roger's account at the end of the month?

4)  At noon the temperature was -4° 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?

**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?

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

1. **140.98**

2. **855.49**

3. **-67.13**

4. **-2**

5. **-5,484.69**

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?

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

3) Roger 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 Roger'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° 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?

$-4+(-1×10)+((8-4)×3)$

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?

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

1-5 | 80 | 60 | 40 | 20 | 0

**Solve each problem.**

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?

1. _____

2. _____

3. _____

4. _____

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?

5. _____

3) At noon the temperature was -4° 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) Tiffany 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?

**Answer Key**

**Solve each problem.**

**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?

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

1. **856.67**

2. **92.01**

3. **-12**

4. **-1,600**

5. **1,115.2**

**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?

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

**3)** At noon the temperature was -4° 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?

$-4+(-1×14)+( (5-2)×2)$

**4)** Tiffany 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?

$-100+(5×500)+(5×800×-1)$

**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?

$(8×9.04×10)+((3.21+9.04)×4×8)$

**Solve each problem.**

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. Frank took in 9 pounds of paper, 15 pounds of aluminum and 15 pounds of plastic. How much money did he earn?

1. _____

2. _____

3. _____

4. _____

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?

5. _____

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) Cody 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 Cody'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?

Name:

**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. Frank 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. **62.79**

3. **-400**

4. **-293.97**

5. **854.6**

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?

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

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) Cody 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 Cody'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.**

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?

1. _____

2. _____

3. _____

4. _____

2) Carol 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?

5. _____

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° 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) Victor 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 Victor's account at the end of the month?

**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?

$(26\times43.99)-((6\times10.21)+(7\times6.29)+(4\times10.79))$

**2)** Carol 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?

$-800+(9\times300)+(3\times300\times-1)$

**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?

$(8\times6.86\times7)+((5.98+6.86)\times5\times8)$

**4)** At noon the temperature was -2° 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?

$-2+(-1\times7)+(\ (8-3)\times2)$

**5)** Victor 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 Victor's account at the end of the month?

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

**Answers**

1. **995.29**

2. **1,000**

3. **897.76**

4. **1**

5. **-94.36**

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

1. _____

2. _____

3. _____

4. _____

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?

5. _____

3) Roger 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 Roger'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?

Name:

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

$(1.93×11) + (2.24×5) + (0.37×10)$

1. **36.13**

2. **877.28**

3. **-24.33**

4. **-7,734.93**

5. **4**

**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?

$(8×7.9×10)+((2.32+7.9)×3×8)$

**3)** Roger 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 Roger'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?

$(6430.59×-1)+((64×6.94)+(92×2.33))-(1962.86)$

**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?

$5+(-1×10)+( (5-2)×3)$

1-5 | 80 | 60 | 40 | 20 | 0

**Solve each problem.**

1)  Olivia 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° 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?

**Answer Key**

**Solve each problem.**

**Answers**

1) Olivia 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?

$(12×(4+1)) + (2×5) + (3.25×(4+1))$

1. __**86.25**__

2. __**485.5**__

3. __**137.7**__

4. __**4**__

5. __**667.68**__

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?

$(5×6.6×6)+((4.9+6.6)×5×5)$

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?

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

4) At noon the temperature was 1° 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?

$1+(-1×3)+( (6-4)×3)$

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?

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