Solving with Mixed Operations (Word)

Name: _____

Solve each problem.

1) At the state fair 4 employees were paid $8.18 an hour. They worked for 10 hours at regular price and then for 3 hours at overtime price (an extra 2.18 an hour). How much money did they make total?

1. _____

2. _____

3. _____

4. _____

2) At noon the temperature was -3° C. Over the next four hours the temperature dropped another 15 degrees. Then every hour until 7:00 the temperature rose 2 degrees. What was the temperature at 7:00?

5. _____

3) Paige 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 -700 points. During the round she answered eight 400 point questions correct and she answered nine 600 points questions incorrect. What was her score at the end of the round?

4) Rachel and 4 friends were going to the movies. Each ticket cost $11 and then they bought 2 popcorns at $3.5 a piece and then each person bought their own soda at $3.75 each. How much money did they spend total for their trip to the movies?

5) A restaurant chef was ordering supplies. He ordered 4 pounds of beef at 9.25 per pound, 6 pounds of potatoes at $6.96 a pound and 5 pounds of carrots at $9.81 per pound. He estimates that this will make 28 meals. If he charges 48.32 per meal how much profit will he make?

Solve each problem.

1) At the state fair 4 employees were paid $8.18 an hour. They worked for 10 hours at regular price and then for 3 hours at overtime price (an extra 2.18 an hour). How much money did they make total?

$(4×8.18×10)+((2.18+8.18)×3×4)$

2) At noon the temperature was -3° C. Over the next four hours the temperature dropped another 15 degrees. Then every hour until 7:00 the temperature rose 2 degrees. What was the temperature at 7:00?

$-3+(-1×15)+((7-4)×2)$

3) Paige 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 -700 points. During the round she answered eight 400 point questions correct and she answered nine 600 points questions incorrect. What was her score at the end of the round?

$-700+(8×400)+(9×600×-1)$

4) Rachel and 4 friends were going to the movies. Each ticket cost $11 and then they bought 2 popcorns at $3.5 a piece and then each person bought their own soda at $3.75 each. How much money did they spend total for their trip to the movies?

$(11×(4+1)) + (2×3.5) + (3.75×(4+1))$

5) A restaurant chef was ordering supplies. He ordered 4 pounds of beef at 9.25 per pound, 6 pounds of potatoes at $6.96 a pound and 5 pounds of carrots at $9.81 per pound. He estimates that this will make 28 meals. If he charges 48.32 per meal how much profit will he make?

$(28×48.32)-((4×9.25)+(6×6.96)+(5×9.81))$

	Answers
1.	**451.52**
2.	**-12**
3.	**-2,900**
4.	**80.75**
5.	**1,225.15**

Solve each problem.

1) At the state fair 9 employees were paid $7.68 an hour. They worked for 8 hours at regular price and then for 4 hours at overtime price (an extra 5.38 an hour). How much money did they make total?

1. _____

2. _____

3. _____

4. _____

2) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered $1.41, for each pound of aluminum they offered $1.53 and for each pound of plastic they offered $0.33. Jerry took in 5 pounds of paper, 15 pounds of aluminum and 6 pounds of plastic. How much money did he earn?

5. _____

3) At noon the temperature was 5° C. Over the next four hours the temperature dropped another 7 degrees. Then every hour until 9:00 the temperature rose 3 degrees. What was the temperature at 9:00?

4) A deluxe bakery sells a cookie for $3.89, a brownie for $3.61 and a cake for $23.68. On Wednesday they sold 14 cookies, 8 brownies and 4 cakes. The cost in ingredients for each cookie is $0.76, for each brownie is $0.68 and for each cake is $6.71. How much profit did they make on Wednesday?

5) Sam started the month with $178.57 in his bank account. Over the course of the month he got 2 paychecks. One for $283.50 and the other was for $286.86. He ended up spending $292.05 on food, $41.64 on gas and $115.24 and on car insurance. Then he decided to buy a new ipad which cost him $458.12. How much money was in Sam's account at the end of the month?

Solve each problem.

1) At the state fair 9 employees were paid $7.68 an hour. They worked for 8 hours at regular price and then for 4 hours at overtime price (an extra 5.38 an hour). How much money did they make total?

(9×7.68×8)+((5.38+7.68)×4×9)

2) 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 $1.53 and for each pound of plastic they offered $0.33. Jerry took in 5 pounds of paper, 15 pounds of aluminum and 6 pounds of plastic. How much money did he earn?

(1.41×5) + (1.53×15) + (0.33×6)

3) At noon the temperature was 5° C. Over the next four hours the temperature dropped another 7 degrees. Then every hour until 9:00 the temperature rose 3 degrees. What was the temperature at 9:00?

5+(-1×7)+((9-4)×3)

4) A deluxe bakery sells a cookie for $3.89, a brownie for $3.61 and a cake for $23.68. On Wednesday they sold 14 cookies, 8 brownies and 4 cakes. The cost in ingredients for each cookie is $0.76, for each brownie is $0.68 and for each cake is $6.71. How much profit did they make on Wednesday?

((14×3.89)+(8×3.61)+(4×23.68))- ((14×0.76)+(8×0.68)+(4×6.71))

5) Sam started the month with $178.57 in his bank account. Over the course of the month he got 2 paychecks. One for $283.50 and the other was for $286.86. He ended up spending $292.05 on food, $41.64 on gas and $115.24 and on car insurance. Then he decided to buy a new ipad which cost him $458.12. How much money was in Sam's account at the end of the month?

(178.57+283.5+286.86)-(292.05+41.64+115.24+458.12)

1.	**1,023.12**
2.	**31.98**
3.	**13**
4.	**135.14**
5.	**-158.12**

Solve each problem.

1) At the state fair 7 employees were paid $8.15 an hour. They worked for 7 hours at regular price and then for 4 hours at overtime price (an extra 4.57 an hour). How much money did they make total?

1. _____

2. _____

3. _____

4. _____

2) Debby and 6 friends were going to the movies. Each ticket cost $10 and then they bought 3 popcorns at $6.75 a piece and then each person bought their own soda at $2.75 each. How much money did they spend total for their trip to the movies?

5. _____

3) Henry started the month with $141.59 in his bank account. Over the course of the month he got 2 paychecks. One for $250.52 and the other was for $291.77. He ended up spending $285.76 on food, $49.39 on gas and $117.74 and on car insurance. Then he decided to buy a new ipad which cost him $439.91. How much money was in Henry's account at the end of the month?

4) A new pizza shop opened up and started out $5,113.68 in the hole. Their first month being open they sold 55 pizzas ($4.61 profit each) and 85 sodas ($2.05 profit each). Their bills for the first month were $1,419.76. How much money do they still need to make to break even?

5) A restaurant chef was ordering supplies. He ordered 8 pounds of beef at 9.09 per pound, 6 pounds of potatoes at $6.99 a pound and 8 pounds of carrots at $10.71 per pound. He estimates that this will make 28 meals. If he charges 43.89 per meal how much profit will he make?

Solve each problem.

Answers

1) At the state fair 7 employees were paid $8.15 an hour. They worked for 7 hours at regular price and then for 4 hours at overtime price (an extra 4.57 an hour). How much money did they make total?

   (7×8.15×7)+((4.57+8.15)×4×7)

1. **755.51**

2. **109.5**

3. **-208.92**

4. **-6,105.64**

5. **1,028.58**

2) Debby and 6 friends were going to the movies. Each ticket cost $10 and then they bought 3 popcorns at $6.75 a piece and then each person bought their own soda at $2.75 each. How much money did they spend total for their trip to the movies?

   (10×(6+1)) + (3×6.75) + (2.75×(6+1))

3) Henry started the month with $141.59 in his bank account. Over the course of the month he got 2 paychecks. One for $250.52 and the other was for $291.77. He ended up spending $285.76 on food, $49.39 on gas and $117.74 and on car insurance. Then he decided to buy a new ipad which cost him $439.91. How much money was in Henry's account at the end of the month?

   (141.59+250.52+291.77)-(285.76+49.39+117.74+439.91)

4) A new pizza shop opened up and started out $5,113.68 in the hole. Their first month being open they sold 55 pizzas ($4.61 profit each) and 85 sodas ($2.05 profit each). Their bills for the first month were $1,419.76. How much money do they still need to make to break even?

   (5113.68×-1)+((55×4.61)+(85×2.05))-(1419.76)

5) A restaurant chef was ordering supplies. He ordered 8 pounds of beef at 9.09 per pound, 6 pounds of potatoes at $6.99 a pound and 8 pounds of carrots at $10.71 per pound. He estimates that this will make 28 meals. If he charges 43.89 per meal how much profit will he make?

   (28×43.89)-((8×9.09)+(6×6.99)+(8×10.71))

Solve each problem.

1) A restaurant chef was ordering supplies. He ordered 6 pounds of beef at 10.49 per pound, 6 pounds of potatoes at $10.5 a pound and 9 pounds of carrots at $6.75 per pound. He estimates that this will make 21 meals. If he charges 47.7 per meal how much profit will he make?

2) 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 -400 points. During the round she answered eight 500 point questions correct and she answered three 500 points questions incorrect. What was her score at the end of the round?

3) A new pizza shop opened up and started out $5,344.46 in the hole. Their first month being open they sold 71 pizzas ($3.06 profit each) and 89 sodas ($1.42 profit each). Their bills for the first month were $1,208.01. How much money do they still need to make to break even?

4) Ned started the month with $110.41 in his bank account. Over the course of the month he got 2 paychecks. One for $221.91 and the other was for $259.35. He ended up spending $235.91 on food, $42.55 on gas and $105.61 and on car insurance. Then he decided to buy a new ipad which cost him $408.73. How much money was in Ned's account at the end of the month?

5) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered $1.66, for each pound of aluminum they offered $2.3 and for each pound of plastic they offered $0.66. Sam took in 10 pounds of paper, 15 pounds of aluminum and 11 pounds of plastic. How much money did he earn?

1. _____

2. _____

3. _____

4. _____

5. _____

Solve each problem.

1) A restaurant chef was ordering supplies. He ordered 6 pounds of beef at 10.49 per pound, 6 pounds of potatoes at $10.5 a pound and 9 pounds of carrots at $6.75 per pound. He estimates that this will make 21 meals. If he charges 47.7 per meal how much profit will he make?

$(21×47.7)-((6×10.49)+(6×10.5)+(9×6.75))$

2) 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 -400 points. During the round she answered eight 500 point questions correct and she answered three 500 points questions incorrect. What was her score at the end of the round?

$-400+(8×500)+(3×500×-1)$

3) A new pizza shop opened up and started out $5,344.46 in the hole. Their first month being open they sold 71 pizzas ($3.06 profit each) and 89 sodas ($1.42 profit each). Their bills for the first month were $1,208.01. How much money do they still need to make to break even?

$(5344.46×-1)+((71×3.06)+(89×1.42))-(1208.01)$

4) Ned started the month with $110.41 in his bank account. Over the course of the month he got 2 paychecks. One for $221.91 and the other was for $259.35. He ended up spending $235.91 on food, $42.55 on gas and $105.61 and on car insurance. Then he decided to buy a new ipad which cost him $408.73. How much money was in Ned's account at the end of the month?

$(110.41+221.91+259.35)-(235.91+42.55+105.61+408.73)$

5) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered $1.66, for each pound of aluminum they offered $2.3 and for each pound of plastic they offered $0.66. Sam took in 10 pounds of paper, 15 pounds of aluminum and 11 pounds of plastic. How much money did he earn?

$(1.66×10) + (2.3×15) + (0.66×11)$

	Answers
1.	**815.01**
2.	**2,100**
3.	**-6,208.83**
4.	**-201.13**
5.	**58.36**

Solving with Mixed Operations (Word)

Name:

Solve each problem.

1) Will started the month with $178.23 in his bank account. Over the course of the month he got 2 paychecks. One for $256.41 and the other was for $240.11. He ended up spending $206.05 on food, $41.93 on gas and $124.20 and on car insurance. Then he decided to buy a new ipad which cost him $486.71. How much money was in Will's account at the end of the month?

2) A deluxe bakery sells a cookie for $4.04, a brownie for $3.63 and a cake for $27.86. On Wednesday they sold 15 cookies, 9 brownies and 1 cakes. The cost in ingredients for each cookie is $0.11, for each brownie is $0.47 and for each cake is $3.76. How much profit did they make on Wednesday?

3) At the state fair 7 employees were paid $10.09 an hour. They worked for 6 hours at regular price and then for 4 hours at overtime price (an extra 4.76 an hour). How much money did they make total?

4) A new pizza shop opened up and started out $6,586.58 in the hole. Their first month being open they sold 50 pizzas ($6.71 profit each) and 88 sodas ($1.44 profit each). Their bills for the first month were $1,299.43. How much money do they still need to make to break even?

5) 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 -100 points. During the round she answered eight 600 point questions correct and she answered eight 300 points questions incorrect. What was her score at the end of the round?

Answers

1. _____

2. _____

3. _____

4. _____

5. _____

Answer Key

Solve each problem.

1) Will started the month with $178.23 in his bank account. Over the course of the month he got 2 paychecks. One for $256.41 and the other was for $240.11. He ended up spending $206.05 on food, $41.93 on gas and $124.20 and on car insurance. Then he decided to buy a new ipad which cost him $486.71. How much money was in Will's account at the end of the month?

$(178.23+256.41+240.11)-(206.05+41.93+124.2+486.71)$

1. **-184.14**

2. **111.49**

3. **839.58**

4. **-7,423.79**

5. **2,300**

2) A deluxe bakery sells a cookie for $4.04, a brownie for $3.63 and a cake for $27.86. On Wednesday they sold 15 cookies, 9 brownies and 1 cakes. The cost in ingredients for each cookie is $0.11, for each brownie is $0.47 and for each cake is $3.76. How much profit did they make on Wednesday?

$((15\times4.04)+(9\times3.63)+(1\times27.86))- ((15\times0.11)+(9\times0.47)+(1\times3.76))$

3) At the state fair 7 employees were paid $10.09 an hour. They worked for 6 hours at regular price and then for 4 hours at overtime price (an extra 4.76 an hour). How much money did they make total?

$(7\times10.09\times6)+((4.76+10.09)\times4\times7)$

4) A new pizza shop opened up and started out $6,586.58 in the hole. Their first month being open they sold 50 pizzas ($6.71 profit each) and 88 sodas ($1.44 profit each). Their bills for the first month were $1,299.43. How much money do they still need to make to break even?

$(6586.58\times-1)+((50\times6.71)+(88\times1.44))-(1299.43)$

5) 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 -100 points. During the round she answered eight 600 point questions correct and she answered eight 300 points questions incorrect. What was her score at the end of the round?

$-100+(8\times600)+(8\times300\times-1)$

Solve each problem.

1) At the state fair 9 employees were paid $10.96 an hour. They worked for 7 hours at regular price and then for 2 hours at overtime price (an extra 2.80 an hour). How much money did they make total?

1. _____

2. _____

3. _____

4. _____

2) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered $0.2, for each pound of aluminum they offered $1.23 and for each pound of plastic they offered $0.38. Jerry took in 10 pounds of paper, 15 pounds of aluminum and 5 pounds of plastic. How much money did he earn?

5. _____

3) Paige 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 -700 points. During the round she answered four 400 point questions correct and she answered six 300 points questions incorrect. What was her score at the end of the round?

4) A restaurant chef was ordering supplies. He ordered 7 pounds of beef at 6.53 per pound, 4 pounds of potatoes at $10.47 a pound and 7 pounds of carrots at $10.23 per pound. He estimates that this will make 30 meals. If he charges 31.68 per meal how much profit will he make?

5) At noon the temperature was 2° C. Over the next three hours the temperature dropped another 13 degrees. Then every hour until 7:00 the temperature rose 2 degrees. What was the temperature at 7:00?

	Solving with Mixed Operations (Word)	Name:	**Answer Key**

Solve each problem.

1) At the state fair 9 employees were paid $10.96 an hour. They worked for 7 hours at regular price and then for 2 hours at overtime price (an extra 2.80 an hour). How much money did they make total?

$(9 \times 10.96 \times 7) + ((2.8 + 10.96) \times 2 \times 9)$

2) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered $0.2, for each pound of aluminum they offered $1.23 and for each pound of plastic they offered $0.38. Jerry took in 10 pounds of paper, 15 pounds of aluminum and 5 pounds of plastic. How much money did he earn?

$(0.2 \times 10) + (1.23 \times 15) + (0.38 \times 5)$

3) Paige 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 -700 points. During the round she answered four 400 point questions correct and she answered six 300 points questions incorrect. What was her score at the end of the round?

$-700 + (4 \times 400) + (6 \times 300 \times -1)$

4) A restaurant chef was ordering supplies. He ordered 7 pounds of beef at 6.53 per pound, 4 pounds of potatoes at $10.47 a pound and 7 pounds of carrots at $10.23 per pound. He estimates that this will make 30 meals. If he charges 31.68 per meal how much profit will he make?

$(30 \times 31.68) - ((7 \times 6.53) + (4 \times 10.47) + (7 \times 10.23))$

5) At noon the temperature was 2° C. Over the next three hours the temperature dropped another 13 degrees. Then every hour until 7:00 the temperature rose 2 degrees. What was the temperature at 7:00?

$2 + (-1 \times 13) + ((7 - 3) \times 2)$

1. **938.16**

2. **22.35**

3. **-900**

4. **791.2**

5. **-3**

Solve each problem.

1) A restaurant chef was ordering supplies. He ordered 4 pounds of beef at 7.42 per pound, 9 pounds of potatoes at $6.59 a pound and 6 pounds of carrots at $10.86 per pound. He estimates that this will make 26 meals. If he charges 44.2 per meal how much profit will he make?

1. _____

2. _____

3. _____

4. _____

2) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered $0.21, for each pound of aluminum they offered $2.85 and for each pound of plastic they offered $0.73. Jerry took in 5 pounds of paper, 8 pounds of aluminum and 11 pounds of plastic. How much money did he earn?

5. _____

3) A new pizza shop opened up and started out $6,069.13 in the hole. Their first month being open they sold 64 pizzas ($5.42 profit each) and 99 sodas ($2.37 profit each). Their bills for the first month were $1,874.66. How much money do they still need to make to break even?

4) Ned started the month with $137.06 in his bank account. Over the course of the month he got 2 paychecks. One for $286.77 and the other was for $248.09. He ended up spending $260.03 on food, $49.12 on gas and $103.08 and on car insurance. Then he decided to buy a new ipad which cost him $488.60. How much money was in Ned's account at the end of the month?

5) Olivia and 5 friends were going to the movies. Each ticket cost $8 and then they bought 3 popcorns at $6.75 a piece and then each person bought their own soda at $3.75 each. How much money did they spend total for their trip to the movies?

Answer Key

Solve each problem.

1) A restaurant chef was ordering supplies. He ordered 4 pounds of beef at 7.42 per pound, 9 pounds of potatoes at $6.59 a pound and 6 pounds of carrots at $10.86 per pound. He estimates that this will make 26 meals. If he charges 44.2 per meal how much profit will he make?

$(26×44.2)-((4×7.42)+(9×6.59)+(6×10.86))$

1. **995.05**

2. **31.88**

3. **-7,362.28**

4. **-228.91**

5. **90.75**

2) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered $0.21, for each pound of aluminum they offered $2.85 and for each pound of plastic they offered $0.73. Jerry took in 5 pounds of paper, 8 pounds of aluminum and 11 pounds of plastic. How much money did he earn?

$(0.21×5) + (2.85×8) + (0.73×11)$

3) A new pizza shop opened up and started out $6,069.13 in the hole. Their first month being open they sold 64 pizzas ($5.42 profit each) and 99 sodas ($2.37 profit each). Their bills for the first month were $1,874.66. How much money do they still need to make to break even?

$(6069.13×-1)+((64×5.42)+(99×2.37))-(1874.66)$

4) Ned started the month with $137.06 in his bank account. Over the course of the month he got 2 paychecks. One for $286.77 and the other was for $248.09. He ended up spending $260.03 on food, $49.12 on gas and $103.08 and on car insurance. Then he decided to buy a new ipad which cost him $488.60. How much money was in Ned's account at the end of the month?

$(137.06+286.77+248.09)-(260.03+49.12+103.08+488.6)$

5) Olivia and 5 friends were going to the movies. Each ticket cost $8 and then they bought 3 popcorns at $6.75 a piece and then each person bought their own soda at $3.75 each. How much money did they spend total for their trip to the movies?

$(8×(5+1)) + (3×6.75) + (3.75×(5+1))$

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

Solve each problem.

1) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered $0.92, for each pound of aluminum they offered $1.45 and for each pound of plastic they offered $0.88. Will took in 8 pounds of paper, 11 pounds of aluminum and 14 pounds of plastic. How much money did he earn?

1. _____

2. _____

3. _____

4. _____

2) Debby and 4 friends were going to the movies. Each ticket cost $11 and then they bought 2 popcorns at $3.5 a piece and then each person bought their own soda at $3.75 each. How much money did they spend total for their trip to the movies?

5. _____

3) A restaurant chef was ordering supplies. He ordered 9 pounds of beef at 6.84 per pound, 5 pounds of potatoes at $6.99 a pound and 6 pounds of carrots at $8.75 per pound. He estimates that this will make 26 meals. If he charges 31.79 per meal how much profit will he make?

4) Ned started the month with $160.57 in his bank account. Over the course of the month he got 2 paychecks. One for $215.96 and the other was for $267.94. He ended up spending $239.33 on food, $41.65 on gas and $104.92 and on car insurance. Then he decided to buy a new ipad which cost him $444.40. How much money was in Ned's account at the end of the month?

5) A new pizza shop opened up and started out $6,765.25 in the hole. Their first month being open they sold 62 pizzas ($4.32 profit each) and 85 sodas ($2.41 profit each). Their bills for the first month were $1,833.42. How much money do they still need to make to break even?

Solve each problem.

1) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered $0.92, for each pound of aluminum they offered $1.45 and for each pound of plastic they offered $0.88. Will took in 8 pounds of paper, 11 pounds of aluminum and 14 pounds of plastic. How much money did he earn?

$(0.92{\times}8) + (1.45{\times}11) + (0.88{\times}14)$

1. **35.63**

2. **80.75**

3. **677.53**

4. **-185.83**

5. **-8,125.98**

2) Debby and 4 friends were going to the movies. Each ticket cost $11 and then they bought 2 popcorns at $3.5 a piece and then each person bought their own soda at $3.75 each. How much money did they spend total for their trip to the movies?

$(11{\times}(4{+}1)) + (2{\times}3.5) + (3.75{\times}(4{+}1))$

3) A restaurant chef was ordering supplies. He ordered 9 pounds of beef at 6.84 per pound, 5 pounds of potatoes at $6.99 a pound and 6 pounds of carrots at $8.75 per pound. He estimates that this will make 26 meals. If he charges 31.79 per meal how much profit will he make?

$(26{\times}31.79){-}((9{\times}6.84){+}(5{\times}6.99){+}(6{\times}8.75))$

4) Ned started the month with $160.57 in his bank account. Over the course of the month he got 2 paychecks. One for $215.96 and the other was for $267.94. He ended up spending $239.33 on food, $41.65 on gas and $104.92 and on car insurance. Then he decided to buy a new ipad which cost him $444.40. How much money was in Ned's account at the end of the month?

$(160.57{+}215.96{+}267.94){-}(239.33{+}41.65{+}104.92{+}444.4)$

5) A new pizza shop opened up and started out $6,765.25 in the hole. Their first month being open they sold 62 pizzas ($4.32 profit each) and 85 sodas ($2.41 profit each). Their bills for the first month were $1,833.42. How much money do they still need to make to break even?

$(6765.25{\times}{-}1){+}((62{\times}4.32){+}(85{\times}2.41)){-}(1833.42)$

Solve each problem.

1) A new pizza shop opened up and started out $6,378.60 in the hole. Their first month being open they sold 56 pizzas ($6.63 profit each) and 91 sodas ($2.85 profit each). Their bills for the first month were $1,547.76. How much money do they still need to make to break even?

1. _____

2. _____

3. _____

4. _____

2) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered $0.03, for each pound of aluminum they offered $1.32 and for each pound of plastic they offered $0.07. Jerry took in 10 pounds of paper, 8 pounds of aluminum and 7 pounds of plastic. How much money did he earn?

5. _____

3) Paige 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 -200 points. During the round she answered four 500 point questions correct and she answered five 100 points questions incorrect. What was her score at the end of the round?

4) A restaurant chef was ordering supplies. He ordered 5 pounds of beef at 7.98 per pound, 5 pounds of potatoes at $8.48 a pound and 7 pounds of carrots at $8.66 per pound. He estimates that this will make 28 meals. If he charges 30.74 per meal how much profit will he make?

5) A deluxe bakery sells a cookie for $2.34, a brownie for $2.87 and a cake for $29.75. On Wednesday they sold 10 cookies, 5 brownies and 3 cakes. The cost in ingredients for each cookie is $0.77, for each brownie is $1.85 and for each cake is $8.98. How much profit did they make on Wednesday?

Solve each problem.

1) A new pizza shop opened up and started out $6,378.60 in the hole. Their first month being open they sold 56 pizzas ($6.63 profit each) and 91 sodas ($2.85 profit each). Their bills for the first month were $1,547.76. How much money do they still need to make to break even?

(6378.6×-1)+((56×6.63)+(91×2.85))-(1547.76)

1. **-7,295.73**

2. **11.35**

3. **1,300**

4. **717.8**

2) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered $0.03, for each pound of aluminum they offered $1.32 and for each pound of plastic they offered $0.07. Jerry took in 10 pounds of paper, 8 pounds of aluminum and 7 pounds of plastic. How much money did he earn?

(0.03×10) + (1.32×8) + (0.07×7)

5. **83.11**

3) Paige 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 -200 points. During the round she answered four 500 point questions correct and she answered five 100 points questions incorrect. What was her score at the end of the round?

-200+(4×500)+(5×100×-1)

4) A restaurant chef was ordering supplies. He ordered 5 pounds of beef at 7.98 per pound, 5 pounds of potatoes at $8.48 a pound and 7 pounds of carrots at $8.66 per pound. He estimates that this will make 28 meals. If he charges 30.74 per meal how much profit will he make?

(28×30.74)-((5×7.98)+(5×8.48)+(7×8.66))

5) A deluxe bakery sells a cookie for $2.34, a brownie for $2.87 and a cake for $29.75. On Wednesday they sold 10 cookies, 5 brownies and 3 cakes. The cost in ingredients for each cookie is $0.77, for each brownie is $1.85 and for each cake is $8.98. How much profit did they make on Wednesday?

((10×2.34)+(5×2.87)+(3×29.75))- ((10×0.77)+(5×1.85)+(3×8.98))

Solve each problem.

1) A new pizza shop opened up and started out $6,852.19 in the hole. Their first month being open they sold 51 pizzas ($5.90 profit each) and 83 sodas ($1.59 profit each). Their bills for the first month were $1,114.33. How much money do they still need to make to break even?

1. _____

2. _____

3. _____

4. _____

2) 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 -700 points. During the round she answered nine 900 point questions correct and she answered three 400 points questions incorrect. What was her score at the end of the round?

5. _____

3) A deluxe bakery sells a cookie for $2.26, a brownie for $2.27 and a cake for $17.28. On Wednesday they sold 15 cookies, 5 brownies and 2 cakes. The cost in ingredients for each cookie is $1.88, for each brownie is $0.52 and for each cake is $6.79. How much profit did they make on Wednesday?

4) Rachel and 3 friends were going to the movies. Each ticket cost $11 and then they bought 2 popcorns at $3.75 a piece and then each person bought their own soda at $2.75 each. How much money did they spend total for their trip to the movies?

5) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered $1.26, for each pound of aluminum they offered $1.63 and for each pound of plastic they offered $0.09. Sam took in 12 pounds of paper, 5 pounds of aluminum and 7 pounds of plastic. How much money did he earn?

Solve each problem.

1) A new pizza shop opened up and started out $6,852.19 in the hole. Their first month being open they sold 51 pizzas ($5.90 profit each) and 83 sodas ($1.59 profit each). Their bills for the first month were $1,114.33. How much money do they still need to make to break even?

$(6852.19 \times -1) + ((51 \times 5.9) + (83 \times 1.59)) - (1114.33)$

1. **-7,533.65**

2. **6,200**

3. **35.43**

4. **62.5**

5. **23.9**

2) 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 -700 points. During the round she answered nine 900 point questions correct and she answered three 400 points questions incorrect. What was her score at the end of the round?

$-700 + (9 \times 900) + (3 \times 400 \times -1)$

3) A deluxe bakery sells a cookie for $2.26, a brownie for $2.27 and a cake for $17.28. On Wednesday they sold 15 cookies, 5 brownies and 2 cakes. The cost in ingredients for each cookie is $1.88, for each brownie is $0.52 and for each cake is $6.79. How much profit did they make on Wednesday?

$((15 \times 2.26) + (5 \times 2.27) + (2 \times 17.28)) - ((15 \times 1.88) + (5 \times 0.52) + (2 \times 6.79))$

4) Rachel and 3 friends were going to the movies. Each ticket cost $11 and then they bought 2 popcorns at $3.75 a piece and then each person bought their own soda at $2.75 each. How much money did they spend total for their trip to the movies?

$(11 \times (3+1)) + (2 \times 3.75) + (2.75 \times (3+1))$

5) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered $1.26, for each pound of aluminum they offered $1.63 and for each pound of plastic they offered $0.09. Sam took in 12 pounds of paper, 5 pounds of aluminum and 7 pounds of plastic. How much money did he earn?

$(1.26 \times 12) + (1.63 \times 5) + (0.09 \times 7)$