

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

Ex) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered \$0.52, for each pound of aluminum they offered \$1.12 and for each pound of plastic they offered \$0.74. John took in 14 pounds of paper, 13 pounds of aluminum and 5 pounds of plastic. How much money did he earn?

Ex. 25.54

$$(0.52 \times 14) + (1.12 \times 13) + (0.74 \times 5)$$

1. _____

2. _____

3. _____

4. _____

5. _____

1) A deluxe bakery sells a cookie for \$4.52, a brownie for \$3.93 and a cake for \$15.63. On Wednesday they sold 14 cookies, 6 brownies and 5 cakes. The cost in ingredients for each cookie is \$1.53, for each brownie is \$0.93 and for each cake is \$7.1. How much profit did they make on Wednesday?

2) Sarah was playing a trivia game where you gained points for correct answers and lost points for incorrect answers. At the start of round 3 she was at -700 points. During the round she answered seven 400 point questions correct and she answered four 900 points questions incorrect. What was her score at the end of the round?

3) A new pizza shop opened up and started out \$6,507.40 in the hole. Their first month being open they sold 75 pizzas (\$4.54 profit each) and 83 sodas (\$2.86 profit each). Their bills for the first month were \$1,410.17. How much money do they still need to make to break even?

4) At the state fair 6 employees were paid \$10.59 an hour. They worked for 6 hours at regular price and then for 5 hours at overtime price (an extra 3.33 an hour). How much money did they make total?

5) Paige and 5 friends were going to the movies. Each ticket cost \$11 and then they bought 3 popcorns at \$5 a piece and then each person bought their own soda at \$1 each. How much money did they spend total for their trip to the movies?



Solve each problem.

- Ex)** A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered \$0.52, for each pound of aluminum they offered \$1.12 and for each pound of plastic they offered \$0.74. John took in 14 pounds of paper, 13 pounds of aluminum and 5 pounds of plastic. How much money did he earn?

$$(0.52 \times 14) + (1.12 \times 13) + (0.74 \times 5)$$

- 1)** A deluxe bakery sells a cookie for \$4.52, a brownie for \$3.93 and a cake for \$15.63. On Wednesday they sold 14 cookies, 6 brownies and 5 cakes. The cost in ingredients for each cookie is \$1.53, for each brownie is \$0.93 and for each cake is \$7.1. How much profit did they make on Wednesday?

$$((14 \times 4.52) + (6 \times 3.93) + (5 \times 15.63)) - ((14 \times 1.53) + (6 \times 0.93) + (5 \times 7.1))$$

- 2)** Sarah was playing a trivia game where you gained points for correct answers and lost points for incorrect answers. At the start of round 3 she was at -700 points. During the round she answered seven 400 point questions correct and she answered four 900 points questions incorrect. What was her score at the end of the round?

$$-700 + (7 \times 400) + (4 \times 900 \times -1)$$

- 3)** A new pizza shop opened up and started out \$6,507.40 in the hole. Their first month being open they sold 75 pizzas (\$4.54 profit each) and 83 sodas (\$2.86 profit each). Their bills for the first month were \$1,410.17. How much money do they still need to make to break even?

$$(6507.4 \times -1) + ((75 \times 4.54) + (83 \times 2.86)) - (1410.17)$$

- 4)** At the state fair 6 employees were paid \$10.59 an hour. They worked for 6 hours at regular price and then for 5 hours at overtime price (an extra 3.33 an hour). How much money did they make total?

$$(6 \times 10.59 \times 6) + ((3.33 + 10.59) \times 5 \times 6)$$

- 5)** Paige and 5 friends were going to the movies. Each ticket cost \$11 and then they bought 3 popcorns at \$5 a piece and then each person bought their own soda at \$1 each. How much money did they spend total for their trip to the movies?

$$(11 \times (5 + 1)) + (3 \times 5) + (1 \times (5 + 1))$$

AnswersEx. 25.541. 102.512. -1,5003. -7,339.694. 798.845. 87