

**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) 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?

1. _____
2. _____
3. _____
4. _____
5. _____



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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. -2

- 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?

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

5. -5,484.69

- 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?

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

- 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?

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