

**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?
- 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?
- 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?

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



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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?

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

1. **86.25**

- 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?

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

2. **485.5**3. **137.7**4. **4**5. **667.68**

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

- 4) At noon the temperature was 1° 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?

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