Solving with Mixed Operations (Word)

Name: _____

Solve each problem.

1) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered $0.54, for each pound of aluminum they offered $2.74 and for each pound of plastic they offered $0.08. Jerry took in 11 pounds of paper, 15 pounds of aluminum and 10 pounds of plastic. How much money did he earn?

2) At the state fair 9 employees were paid $9.10 an hour. They worked for 7 hours at regular price and then for 5 hours at overtime price (an extra $4.86 an hour). How much money did they make total?

3) A restaurant chef was ordering supplies. He ordered 5 pounds of beef at $10.10 per pound, 7 pounds of potatoes at $10.63 a pound and 8 pounds of carrots at $9.76 per pound. He estimates that this will make 23 meals. If he charges $31.30 per meal how much profit will he make?

4) Lana and 4 friends were going to the movies. Each ticket cost $10.00 and then they bought 3 popcorns at $5.00 a piece and then each person bought their own soda at $3.50 each. How much money did they spend total for their trip to the movies?

5) 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 -300 points. During the round she answered 7 400 point questions correct and she answered 2 700 points questions incorrect. What was her score at the end of the round?

Solve each problem.

1) A recycling center was offering cash for different types of recyclables. For each pound of paper recycled they offered $0.54, for each pound of aluminum they offered $2.74 and for each pound of plastic they offered $0.08. Jerry took in 11 pounds of paper, 15 pounds of aluminum and 10 pounds of plastic. How much money did he earn?

$(0.54 \times 11) + (2.74 \times 15) + (0.08 \times 10)$

1. **47.84**

2. **1,201.5**

3. **516.91**

4. **82.5**

2) At the state fair 9 employees were paid $9.10 an hour. They worked for 7 hours at regular price and then for 5 hours at overtime price (an extra $4.86 an hour). How much money did they make total?

$(9 \times 9.1 \times 7) + ((4.86 + 9.1) \times 5 \times 9)$

5. **1,100**

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$(23 \times 31.3) - ((5 \times 10.1) + (7 \times 10.63) + (8 \times 9.76))$

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$(10 \times (4 + 1)) + (3 \times 5) + (3.5 \times (4 + 1))$

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$-300 + (7 \times 400) + (2 \times 700 \times -1)$