NAME:

ORDER OF OPERATIONS WORD PROBLEMS

Answer the questions in complete sentences.

1.) Suppose the formula for calculating the cost per one thousand kilowatt hours of electricity is twice the sum of thirty-six and four times the difference of seven and two dollars per thousand kilowatt hours. How many cents does one hundred kilowatt hour cost?

2.) Suppose the formula for calculating the number of chances out of one hundred thousand in a lottery is three times the difference of twenty-eight and four times the difference of six and two chances per one hundred thousand. How many chances out of one hundred thousand are there to win?

3.) Suppose the formula for calculating the number of games a baseball team is projected to win during the next season is four times the difference of thirty-nine and five times the difference of eighteen and thirteen games. How many games is the team projected to win?

4.) James has a job mowing lawns during the summer. Suppose the formula for calculating the number of hours he will have to work each week is five times the difference of thirty-eight and three times the difference of fifteen and four hours. How many hours will James have to work each week?

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Answer the question in a complete sentence.

5.) Veronica bought five notebooks at $1.75 each and two pens at $0.75 each. She was charged 6% sales tax. What was the total cost?

6.) Suppose the formula for calculating the height of a rocket during its flight is five times the sum of eighty-six and two times the difference of twenty-four and seven meters. How high is the rocket projected to fly?

7.) Davy bought 6 pizzas. Each cost $13.95. He paid with a $100 bill. He wanted the driver to keep $10 for a tip. How much change should Davy get back?

8.) Four friends go to the movies. Movie tickets costs $9. Three buy tickets and their own tubs of popcorn for $6 each. The fourth has a coupon, so her ticket purchase receives a $2 discount, and she gets a candy for $4. The friends shared their total costs evenly. What is the cost per person?

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