Ricardo and Nicole are brother and sister. They wanted to buy an anniversary present for their parents. They had a total of $528 between them. Nicole had $48 more than Ricardo to begin with but she spent twice as much as Ricardo. Nicole also ended up with 2/3 as much money as Ricardo. How much money did Ricardo spend on his purchases?

Make sure you include the answer and an explanation as to how you determined the correct response. To receive credit, you must explain what you did and why you did it. Include any formulas if they were used to help solve the problem. Good Luck and enjoy the challenge!