## Original Word Problem

Joey is ‘Zooming’ with his friend Suzy. Suzy tells Joey that she can read his mind and she will prove it. She asks Joey to pick a number between 1 and 20 and instructs him not to tell her the number. Joey picks 6. Suzy then asks Joey to double the number he picked.

a) What is double of the number Joey picked?

b) Suzy then asks Joey to add 10 to the number he just calculated. What is the value of 10 plus the result in a)?

c) Next, Suzy asks Joey to divide the number he just calculated by 2. What I the value of the result from part b divided by 2?

d) Finally, Suzy told him she can now prove that she can read his mind. Suzy told Joey to subtract the number he had picked originally from the resulting quotient (the answer from part c). She told him she knows his answer will be 5. Is this true or false? (Answer T or F)