

Bob and Tom are working together to paint a house. Bob would normally take 8 hours to finish the job if he was working by himself. Tom would take about 12 hours to do the same job on his own. How long will it take them to paint the house if they work together?

Working by herself, Stella can destroy Mr. Williams' entire house in 45 minutes. Sloane can inflict the same amount of damage in an hour and 15 minutes. How long will it take them to destroy the entire house if they are playing together? (round to the nearest minute)