

Name _____ Date _____

MATH EXTENSION—PROBLEM OF THE WEEK

Investigation 4: Natural Resources

Two students were playing the game Rock Paper Scissors (rock crushes scissors, scissors cut paper, paper covers rock). They had agreed that at the end of each game, the loser would give the winner a rock from his or her collection.

After playing many games, Student A had won three games, and Student B had won the rest. When they stopped playing, Student B had three more rocks than she had when they began.

What is the fewest number of games of Rock Paper Scissors they could have played?