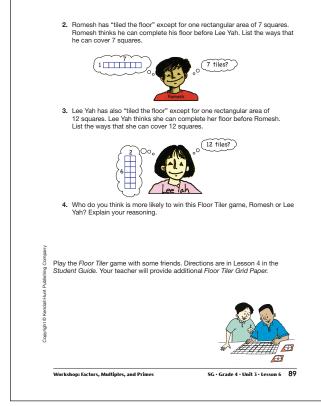


Student Guide - Page 88



Student Guide - Page 89

Student Guide

Workshop: Factors, Multiples, and Primes

Questions 1-3 (SG pp. 88-89)

- I. A. 10, 15, 25; I can see these on Romesh's Grid.
 - **B.** 7 and 3 are both factors of 21; $7 \times 3 = 21$
 - **C.** 42, 21, and 7 are all multiples of 7 that are on the grids.
- 2. In one turn, the only way to cover 7 squares is to spin 1 × 7. In two turns, he could spin a 1 × 1 and then 2 × 3 or spin 2 x 2 and then 1 × 3 to win.
- In one turn, 3 x 4 and 6 x 2 both make 12. There are many combinations of spins to make two rectangles to cover those 12 squares. 1 × 2 and 1 × 10; 1 × 3 and 3 × 3; 1 × 3 and 1 × 9; 1 × 4 and 2 × 4; 1 × 4 and 1 × 8; 1 × 5 and 1 × 7; 1 × 6 and 2 × 3.
- **4.** Lee Yah is more likely to win, because she has more chances to spin a product of 12 or spin factors than make rectangles that sum 12.