



Name _____ Date _____

Use Logical Reasoning

TAKS Objective 6
TEKS 4.14A, 4.14B,
4.16A

Make a chart and use logical reasoning to solve.

1. Ryan, Erin, and Sergio went to see a movie on different days of a three-day weekend. Ryan and Erin did not go on Friday. Erin did not go on Saturday either. On what days did each person go to see a movie?

2. Beth, Tyler, and Keyonna are taking turns playing a board game. Keyonna does not go last. Tyler goes between Beth and Keyonna. In what order do the players take their turns?

3. Colin, Sam, Shannon, and Keshia have different favorite subjects in school. The subjects are math, reading, art, and music. Colin's favorite is music. Sam's favorite is not reading or art. Shannon's favorite is not art. What is Colin's favorite subject?

4. Evan, Benita, Willie, and Carmen each visit a different city over spring break. The cities are Austin, Houston, San Antonio, and Dallas. Carmen visits Dallas. Willie does not visit Austin or Houston. Evan does not visit Houston. Which city does Carmen visit?

5. Huang, Luis, Grace, Tiffany, and Jessica like different water activities. The activities are skiing, swimming, kayaking, snorkeling, and scuba diving. Grace likes swimming. Huang does not like skiing or snorkeling. Luis does not like kayaking or scuba diving. Tiffany does not like skiing, kayaking, or snorkeling. Jessica does not like snorkeling. Which activity does Huang like?

6. Ellen, Dan, Erik, and Jenna play different sports and wear different uniform colors. The sports are baseball, soccer, basketball, and volleyball. The uniform colors are red, blue, orange, and yellow. Erik plays baseball and wears a red uniform. Dan does not play basketball or volleyball and does not wear blue or yellow. Jenna does not play volleyball and wears a yellow uniform. What sport does Ellen play and what uniform color she wear?
