

**LESSON** **2-3** **Geometry Lab Recording Sheet** pp. 94–95  
**Solve Logic Puzzles**

### Try This

#### Activity 1

##### Try This

1. After figuring out that Fiona owns the bird in Step 3, why can you place an X in every other box in that row and column?

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2. Ally, Emily, Misha, and Tracy go to a dance with Danny, Frank, Jude, and Kian. Ally and Frank are siblings. Jude and Kian are roommates. Misha does not know Kian. Emily goes with Kian's roommate. Tracy goes with Ally's brother. Who went to the dance with whom?

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3. What combinations are unworkable?

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Why?

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#### Activity 2

##### Try This

4. How many solutions are there to the farmer's transport problem?

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How many steps does each solution take?

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5. What is the advantage of drawing a complete solution network rather than working out one solution with a diagram?

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6. Madeline has two measuring cups—a 1-cup measuring cup and a  $\frac{3}{4}$ -cup measuring cup. Neither cup has any markings on it. How can Madeline get exactly  $\frac{1}{2}$  cup of flour in the larger measuring cup? Complete the network below to solve the problem.

