Problem-Solving Strategy: Draw a Picture

Draw a picture to solve each problem. Explain how you found your answer.

Ryan and Jodi went to the movies. They spent $\frac{1}{3}$ of their money on the tickets and $\frac{2}{5}$ of their money on food. The movie lasted 120 minutes. Previews for upcoming movies were shown for $\frac{1}{8}$ of that time. The theatre seats 300 people. At this showing, $\frac{1}{4}$ of the seats were empty.

1. After the movie, Ryan and Jodi had $8 left. How much money did they bring to the movie?

2. Ryan and Jodi each bought a ticket to the movie. Their tickets were the same price. What was the price of each ticket?

3. Did Ryan and Jodi spend more on the tickets or on food? How much more?

4. How many minutes were previews of upcoming movies shown?

5. How many people were at this showing of the movie?

Show your work.