

Planning Notes: The Inequalities Game

Before students begin, you may wish to read the directions with the class.

Have students play the game in pairs. Note that each student pair needs a deck of playing cards (without face cards or jokers) and the set of four game boards found on **BLM 9–14 Inequalities Game Boards**.

Have students play the game using Game Boards A and B before moving on to Game Boards C and D, which introduce more complexity.

MathLinks 9, page 373 Suggested Timing 30–40 minutes Materials • deck of playing cards (face cards and jokers removed) Blackline Masters BLM 9–14 Inequalities Game Board Specific Outcomes PR4 Explain and illustrate strategies to solve single variable linear inequalities with rational coefficients within a problemsolving context.

The game provides students with the opportunity to apply their learning about solving inequalities. Students mentally solve inequalities formed by placing two or three cards on a game board.

Have students create their own game board. After students have had an opportunity to use their board in a game, have student pairs discuss whether the game board is set up so that it is fair for both players. If not, ask how it could be modified to make it fair.

Meeting Student Needs

• Consider asking volunteers to play a demonstration round.

Common Errors

- Some students may miscalculate values.
- $\mathbf{R}_{\mathbf{x}}$ Tell students to check each other's calculations.

Assessment	Supporting Learning
Assessment <i>for</i> Learning	
The Inequalities Game Have students play the game in pairs. This game could be used as an assessment before the practice test or as part of the chapter review.	• Consider allowing students who may find it challenging to solve inequalities mentally to use paper and pencil to help them.