

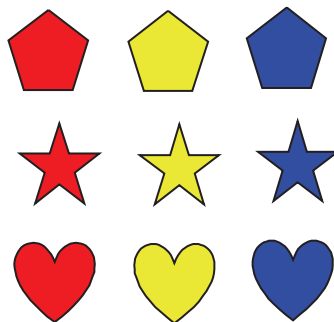
Applying Problem-Solving Strategies

Analyzing a Logic Puzzle

Logic can often help you solve a puzzle.

The Puzzle

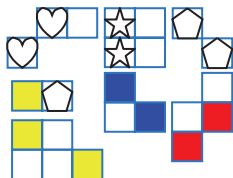
A. In this activity, you will use all nine puzzle shapes and the given clues to form a three-by-three square. (You will need one of each puzzle shape in each colour.) The following hints will help you understand the clues:



- A square with a solid colour means that the square must contain a shape of this colour.
- A hollow shape in a square means that the square must contain this shape.
- A solid symbol in a square means that square must contain this symbol.

Study Carol's solution to see how she used the clues she was given.

Carol's Clues

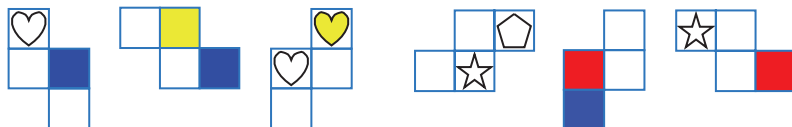


Carol's Solution



B. Use the nine puzzle shapes and the following clues to form a three-by-three square.

Your Clues



The Strategy

- Describe the strategy you used to solve the puzzle in part B.
- Create your own solution for a puzzle, and develop clues to solve the puzzle.
- Give your clues to a partner. Can your partner solve your puzzle?
- How could you adjust your clues to change the level of difficulty of your puzzle?

YOU WILL NEED

- coloured markers
- scissors
- Puzzle Shapes