

# Problem Solving: Reading for Math

## Draw a Diagram

Choose the correct answer.

Emma works in a stationery store. She has a sheet of paper that is 4 inches wide and 2 feet long. She cuts the paper into six 4-inch strips.

- Which of the following statements is true?
  - The strips are rectangles.
  - The strips are squares.
  - The total length of the strips is 28 inches.
  - The strips can be used to form a circle.
- A diagram
  - makes solving problems harder.
  - should always include a date.
  - can help you identify important details to solve a problem.
  - takes the place of the solution when solving a problem.

Lars has a piece of plywood that is 2 feet wide and 3 yards long. He cuts the wood into nine 1-foot sections.

- Which of the following statements is true?
  - The sections are triangles.
  - The sections are squares.
  - The sections are rectangles.
  - Each section is 1 yard long.
- A diagram can help you
  - organize data in a table.
  - identify separate parts of a problem.
  - take less space to solve a problem.
  - see how different items can be combined.

Elena has a piece of fabric that is 6 inches wide and 3 feet long. She cuts the fabric into nine 4-inch long pieces.

- Which of the following statements is NOT true?
  - The sections are rectangles.
  - The sections are 4 inches by 9 inches.
  - The sections are the same size.
  - The sections are 6 inches wide.
- Drawing a diagram can help you solve problems that
  - involve many calculations.
  - involve shapes and sizes.
  - use data from a table.
  - use fractions.