

# DOINGWHATWORKS



SAMPLE MATERIAL

## Pre-Algebra Fencing Task

Papillion Junior High School, Nebraska

**Topic:** Improving Mathematical Problem Solving in Grades 4 Through 8

**Practice:** Problem-Solving Instruction

At Papillion Junior High School, seventh-grade students work on a non-routine geometry problem, the Fencing Task. This sample material includes the Fencing Task worksheet with a statement of the problem and examples of students' presentations of their solutions.



Pre-Algebra

## Fencing Task

Name \_\_\_\_\_

Ms. Brown's class will raise rabbits for their spring science fair. The class will use some portion of the school building as one of the sides of the rabbit pen and will use the 24 feet of fencing that was left over from the school play to enclose the rest of the pen. If Ms. Brown's class wants its rabbits to have as much room as possible, what would the dimensions of the pen be?

Provide evidence for your answer in a clear and organized fashion.

## Student Board Work

