

## Dogs In A Pen

**Developed by:** Linda Fenton

**Discipline / Subject:** Math

**Topic:** Problem Solving

**Grade Level:** 3, 4, 5

**Resources / References / Materials Teacher Needs:**  
Activity Sheet

**Lesson Summary:**

Use creative problem solving skills to make a pen for each dog using 2 squares.

**Standard's Addressed: (Local, State, or National)**  
**Mathematical Practices – Common Core Standards 3<sup>rd</sup> Grade**

1. Make sense of problems and persevere in solving them.
2. Reason abstractly and quantitatively.

**Learning Objectives:**  
Creative Problem Solving

**Method of assessment for learning**

Activity Sheet

**Procedural Activities**

1. Pass out Activity Sheet and discuss the parameters.
2. I always give students “Think Time”. Let them try different things.
3. Eventually, remind them that they need to use squares, but the pens don't need to be squares.
4. Give time. Discuss strategies

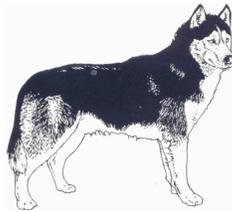
**Materials Students Need:**  
Activity sheet

**Modifications for Special Learners/ Enrichment Opportunities:**

Work with a partner to solve.

# These Dogs Need A Pen!

Add two squares to the pen below to create nine separate enclosures, each containing one dog.



# These Dogs Need A Pen! - KEY

Add two squares to the pen below to create nine separate enclosures, each containing one dog.

