

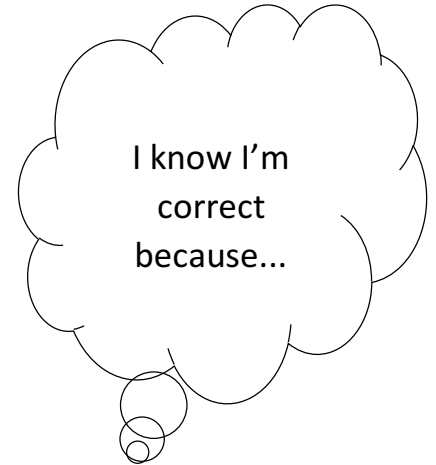
# Area Story Problems

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**Standard:** 4MD3

**Materials:**

- Area story problem cards (sets connected by metal ring)
- Story problem board (in plastic sleeve)
- Dry erase marker



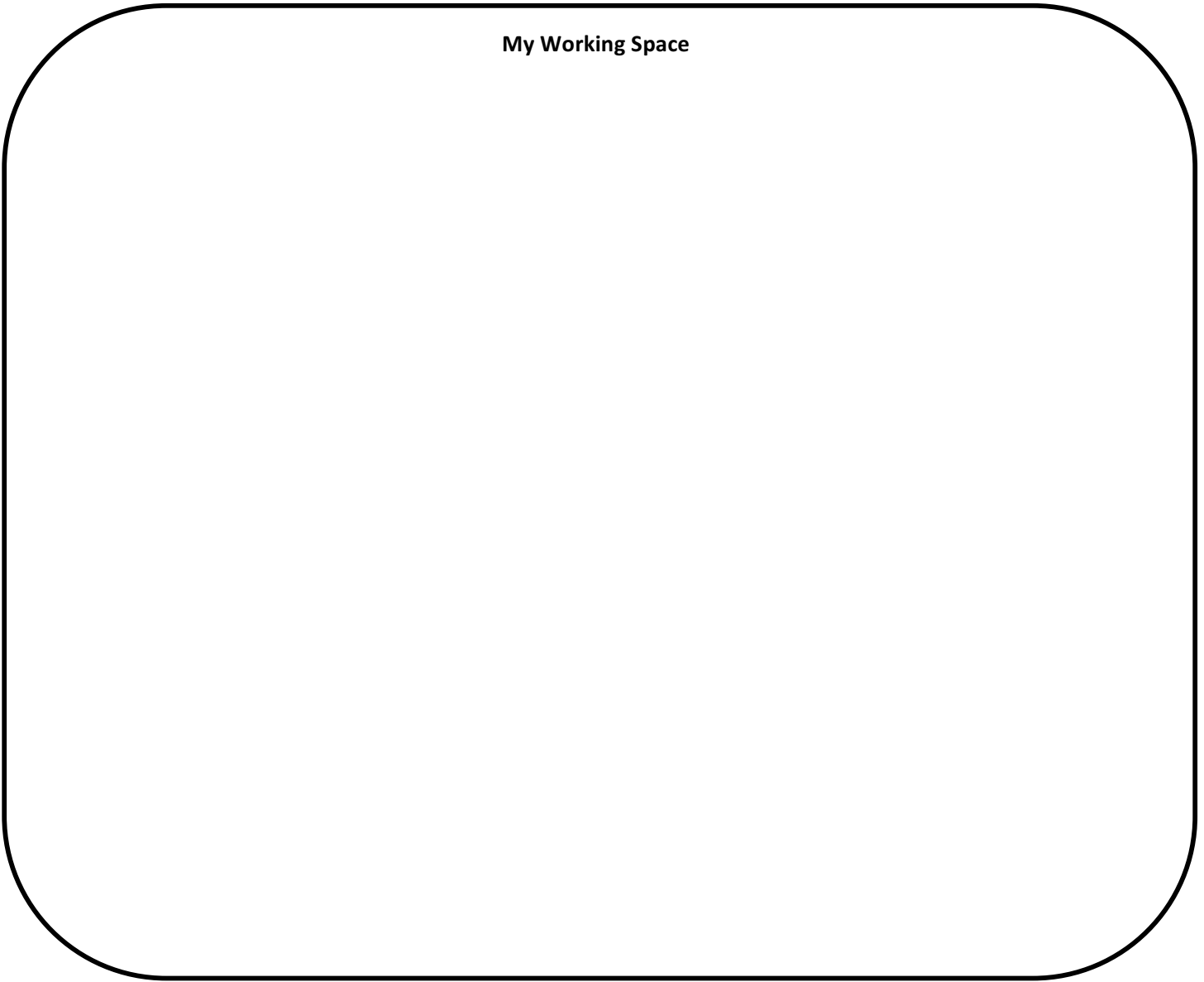
**I Can:**

- Choose any problem on the metal ring
- Read and make sense of the problem
- Write in my own words what I have to find out
- Show my work on the story problem board
- Record my answer
- Check with my partner
- Start again with a new problem.

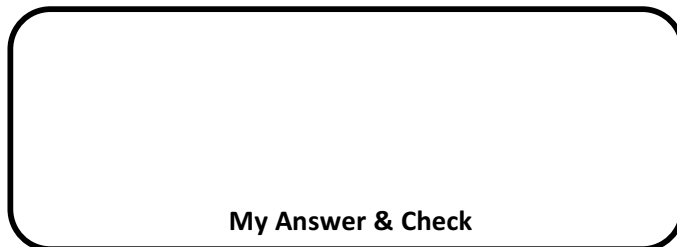
# Story Problem Board

A large, empty rectangular box with rounded corners, intended for students to write the context of their story problem.

**My Working Space**

A large, empty rounded rectangular box, intended for students to show their work and calculations.

**My Answer & Check**

A rectangular box with rounded corners, intended for students to write their final answer and show how they checked it.

## Story Problem Cards

*Place 3-6 on metal ring*

Maria wants to buy carpet for the rectangular floor of her living room. The room is 13 feet long and 17 feet wide. What is the area, in square feet, of the living room floor?

A rectangle has a width of 9 inches. The area of the rectangle is 648 square inches. What is the length in inches of the rectangle?

A square table has an area of 64 square feet. What is the side length of the table?

My bedroom wall is 14 feet by 9 feet.  
I bought one can of paint that will  
cover 120 square feet. Will one can of  
paint be enough to paint my wall?

Ms Jones buys 60 feet of fencing wire.  
She wants to make the largest  
enclosed area possible. What would  
be the length, width and area? Justify  
your decision.

Gene cut a strip of material that was  
5 centimeters wide. The total area of  
the material was 35 square  
centimeters. What was the length of  
the material?

The area of Jose's rectangular garden is 480 square feet. The garden is 24 feet wide. What is the length of fencing Ken will need to buy in order to fence in the garden completely on all four sides?

Picture a rectangle with an area of 36 square centimeters. If the length of the rectangle is 5 centimeters longer than the width, find the dimensions of the rectangle.

Dan's rectangular vegetable garden is 30 feet by 65 feet, and Marissa's is 35 feet by 60 feet. Whose garden is larger in area?