

## PhET Area Builder Simulation Record It!

1. Using the double mat on Explore, build 2 rectangles. The second rectangle should be twice the size of the first. Draw and record your results using dimensions (Ex: 2 x 3):

A=            A=  
P=            P=

2. Level 1 and/or Level 2 – Record your score and time. Try again to beat your score and time.

Trial 1:

Score: \_\_\_\_\_

Time: \_\_\_\_\_

Trial 2:

Score: \_\_\_\_\_

Time: \_\_\_\_\_

I used/did not use (circle one) the tools because

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3. Explain how Level 3 and Level 4 change from the first two levels?

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Describe or draw how area can be calculated in these levels. Provide an example:

4. Complete both Levels 5 and 6. What area model was the most challenging for you and why?

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Draw area model with dimensions and fractional parts: