Name _____Date _____ #_____
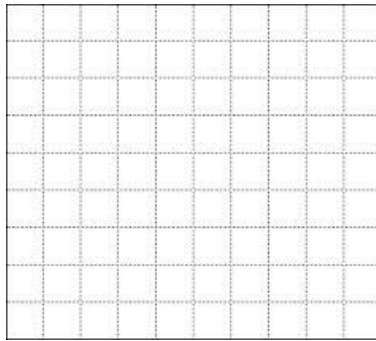
Unit 3: Part 2 Study Guide

- ❏ THINK carefully before answering each question.
- ❏ Make sure you choose each operation carefully.
- ❏ Ask yourself if your final answer is "reasonable."
- ❏ ESTIMATE before doing the actual work!!! Compare your estimation to your actual product or quotient.

1. Ginger rides her bicycle 0.6 mile to the movie theater. Dan rides his bike 0.8 of that distance to the grocery story. How far does Dan ride his bike to the grocery story? Use the model to determine your answer.

   ❖ ESTIMATE---THINK---will your answer be greater or less than 1?

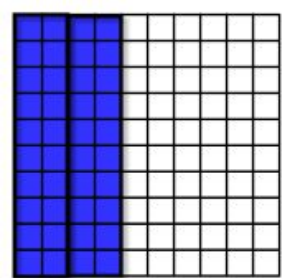On the lines below, write an explanation of what you did, including how you determined your answer.

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2. Stanley filled 3.4 buckets with water to water his plants. He only used half that amount. How much did Stanley use? Use the model to help you find your answer.

3. A school desk has the measurements of 3.2 feet by 1.9 feet. What is the area in square feet?
(THINK--AREA MODEL!)

What is your **numerical** solution? _____

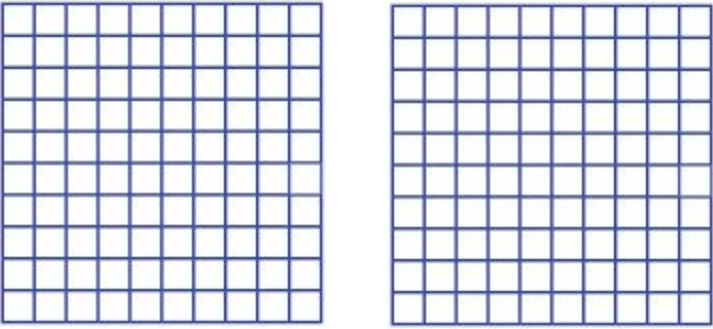Explain how your model and numerical solution are related to one another.

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4. Find the product using any strategy of your choosing.   **0.72 x 0.9 = ?**

5. Miles had 1.8 pounds of chocolate kisses candy. He separates the chocolate kisses into bags that contain 0.6 pounds of candy each. How many bags of candy can he make?

Shade the model below to find your answer.   What is your **numerical** solution? _____

Explain how your model and numerical solution are related to one another.

_____

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6. Find the quotient of 1.44 ÷ 0.12. Use the 100's grids below to show your answer.