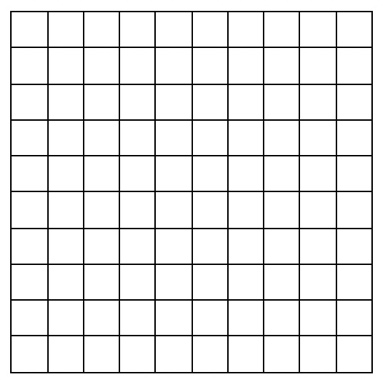
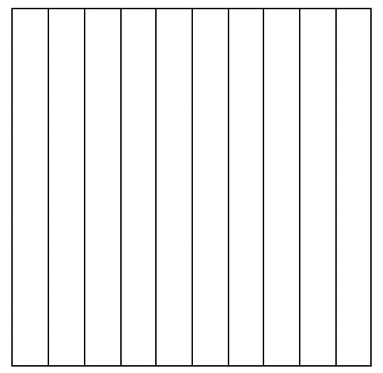
# Task

Mrs. Miller asked 100 fourth graders to name their favorite subject in school. She found that of students named Mathematics, named Science, and the rest named other subjects.

# Part A

Write a fraction with a denominator of 100 that is equivalent to . Explain how the model can be used to show both fractions are equivalent.

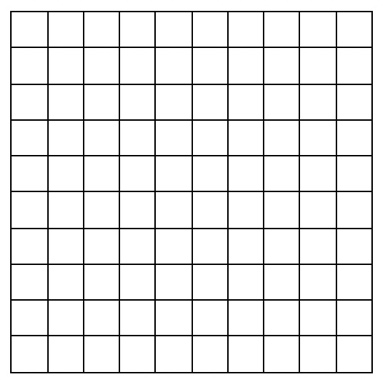
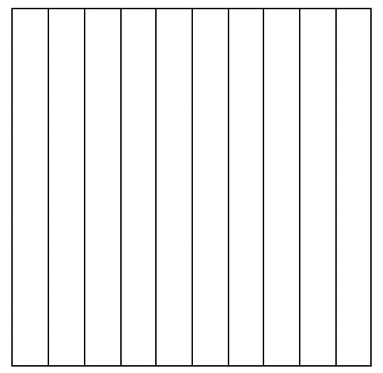


Enter your answer and your explanation in the space provided.

# Part B

What part of the students named Math or Science as their favorite subject? Find the sum of the fractions. Explain how you could use the model to solve.

+



Enter your answer and your explanation in the space provided.

| Score | Description |
| --- | --- |
| 2 | Student response includes the following 2 elements   * Computation Component = 1 point   The student provides the equivalent fraction,   * Reasoning Component = 1 point   The student explains how the model can be used to show both fractions are equivalent.  Note: The explanation should contain a comparison of the model in tenths to the model in hundredths |
| 1 | Student response includes 1 of the 2 elements. |
| 0 | Student response is incorrect or irrelevant. |

# Part A Rubric

# Part B Rubric

| Score | Description |
| --- | --- |
| 2 | Student response includes the following 2 elements   * Computation Component = 1 point   The student provides the correct sum,   * Reasoning Component = 1 point   The student explains how to use the models to add fractions.  Note: Accept valid equations or explanations. |
| 1 | Student response includes 1 of the 2 elements. |
| 0 | Student response is incorrect or irrelevant. |