

Implementing the Common Core Standards

7. RP.2.a

Recognize and represent proportional relationships between quantities. A) Decide whether two quantities are in a proportional relationship, e.g., by testing for equivalent ratios in a table or graphing on a coordinate plane and observing whether the graph is a straight line.

During the beginning of the lesson, students are given a recipe in which they are supposed to solve the equations. After solving the equation of the recipe, students will list the modified recipe in a table.

7. RP.2.b

Recognize and represent proportional relationship between two quantities. B) Identify the constant of proportionality (unit rate) in tables, graphs, equations, diagrams, and verbal descriptions of proportional relationships.

Before the cooking show, students will be given a chart that consists of measurements that can be converted for cooking. This table will consist of different unit rates that students will need in order to modify their new recipe for the cooking show.

7. RP.2c

Recognize and represent proportional relationships between quantities. C) Represent proportional relationships by equations.

Once students have finished solving their modification for recipes, they must show that the ratios are equal in the proportions. This will correlate whether or not students have the correct recipe conversion after modifications were made.