I will be able to solve real world mathematical problems involving the four operations with rational numbers 7.NS.3a

The three seventh grade classes at Blake Middle School collected the most box tops for a school fundraiser, and so they won a $600 prize to share among them. Mrs. Farrell's class collected 3,760 box tops, Mrs. McLaughlin's class collected 2,301 box tops, and Mrs. Gumas' class collected 1,855 box tops.

a) How many box tops did the 3 classes collect all together? Show or explain how you got your answer.

b) Write a fraction to show the ratio of each teacher's box tops to the total number of box tops. Show or explain how you got your answer.

c) Change each fraction in part b to a decimal (round to the thousandths place). Show or explain how you got your answer.

d) How should they divide the money so that each class gets the same fraction of the prize? Show or explain how you got your answer.