



SAMPLE MATERIAL

Ratio: Warm Up Activity

Howard County Public Schools, Maryland

Topic: Developing Effective Fractions Instruction for K-8

Practice: Ratio, Rate, Proportion

Working in pairs, students at Howard County's Elkridge Middle School use blocks to create visual representations of the scenarios presented in this three-problem *Warm Up Activity*. Teachers ask students to use manipulatives to represent the problem so they think through the problem conceptually rather than simply following rote procedures. Within their pairs, students model and discuss their answers, providing an explanation to teachers before writing the rate that expresses their solution and sharing out.

Warm up:

The Scenario:

At Chillis, they serve 2 bowls of salsa for every 4 people.

1.) How many people would 6 bowls of salsa serve?

First: Represent this scenario with the blocks in front of you.

Second: Write down the rate that represents the picture and the strategy you used to come up with the answer:

2.) If there were 10 people seated at a table, how many bowls of salsa would you bring out?

First: Represent this scenario with the blocks in front of you.

Second: Write down the rate that represents the picture and the strategy you used to come up with the answer:

3.) If you had a table of 15 people, how many bowls of salsa would you bring out?

First: Represent this scenario with the blocks in front of you.

Second: Write down the rate that represents the picture and the strategy you used to come up with the answer:
