Grade 6 – Math

This task requires students to solve a real-world problem using an understanding of ratios and rate reasoning.

QUESTION:

Mr. Ruiz is starting a marching band at his school. He first does research and finds the following data about other local marching bands.

	Band 1	Band 2	Band 3
Number of Brass Instrument Players	123	42	150
Number of Percussion Instrument Players	41	14	50

Part A: Type your answer in the box. Backspace to erase.

Mr. Ruiz realized that there are | _____ | brass instrument player(s) per percussion player.

Part B: Mr. Ruiz has 210 students who are interested in joining the marching band. He decides to have 80% of the band be made up of percussion and brass instruments. Use the unit rate you found in Part A to determine how many students should play brass instruments.

Show or explain all your steps.

ANSWER:

Part A: Correct answer is 3 brass instrument players per percussion player.

Part B: Correct answer is 126 students should play brass instruments.