This article describes a professional development program for upper elementary and middle school teachers, which includes a sequence of four activities designed to foster improved understanding of the connections among measurement, ratio, scale, and proportion. In the first activity, students record lengths between various points on the human body and write ratios to describe the relationship between the largest and smallest lengths. In the second activity, students link the concepts of ratio and scale and examine what happens when ratios of corresponding lengths of a student and a figure are not equivalent. In the third activity, equivalent ratios of measurements are examined for individual students, as opposed to ratios between students or between a student and a figure. Finally, the fourth activity asks students to apply the concepts of ratio, scale, and equivalence as they compute proportional lengths for a giant person.

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