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Content Project

Age Group: 8th grade

Previous knowledge: Students should be able to solve simple single variable equations.

Connect to previous learning: Proportions use the algebra of solving single variable equations to make life-size models out of a scale diagrams.

Materials: Anything I can find and whatever the students want to help donate. Cardboard, masking tape, scissors, glue, paper on which they are to show their work

What are they supposed to do? Students, in small groups, will be tasked with creating a 3-D Lego man that is at least 6 inches in height, or a 2-D Lego man greater than 1 foot in height. It may be created out of any material that the students wish, but it must be created to scale. Students must each turn a worksheet with the proportional calculations and an assessment on how the team worked to together as a whole. Students will be given time in class to work on this project.

Assessment: A grading rubric will be provided including neatness (I have to be able to tell what it is), participation (did they help in class and do the math?), accuracy of ratios (perfect Lego guy, resembles a Lego guy, resembles a guy, resembles a lump), and creativity.

yes have a rubric

good idea!

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