Score Sheet for 2016 Fluor Engineering Challenge

Sorting points

Your goal is to sort 6mm spheres into cup A and 12mm spheres into cup B. First, count the beads that landed in each cup. Do not count spheres that get stuck in the machine or do not land in a cup.

Number of 6mm beads in cup A	
Number of 12mm beads in cup B	
Total number of correctly sorted beads	
Number of 6mm beads in cup B	
Number of 12mm beads in cup A	
Total number of incorrectly sorted beads	

Then, use this equation to calculate your sorting points. Fill in your values from the table to do the calculation:

Material points

Count how many cups, popsicle sticks, and sheets of paper you used to build your machine. Do not count the 3 cups that you used to pour and collect the spheres.

Time points

Use a stopwatch to time how long it takes from when you start pouring the beads until the last bead falls into a cup or out of the machine.

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Time points = 50 x time in seconds
____ = 50 x ____
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Total Score

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Total score = Sorting points – Material points – Time points
_____ = _____ - _____ - _____ - ______
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