

3. Building Robots

Name _____

Directions: Please show all work, describe how you got the answer, and circle your final answer. If you use a calculator, say so, but also write out the calculations you did with the calculator.

The Problem: Before starting to build your robots, suppose your teacher had taken all the parts from the individual robot kits, sorted them, and put them in bins (one bin for each type of part). But in the process he lost some of the pieces. You counted two of the parts and found that you have 50 1/2-Module Bushings and 125 2-Module Cross Blocks. You know from the building instructions that you need 5 1/2-Module Bushings and 13 2-Module Cross Blocks to make a complete robot. How many complete robots can be built with those parts?



2-Module Cross Block
(125 found)



1/2-Module Bushing
(50 found)