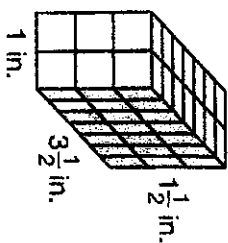
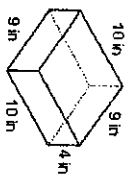


Part 2



- Use the rectangular prism above to answer questions 1-5.
1. How many cubes are there in the rectangular prism?
 2. What are the dimensions of the cubes used to build the rectangular prism?
 3. What is volume of each cube?
 4. What is the volume of the rectangular prism?
 5. How is the volume of the rectangular prism related to the number of cubes and volume of cubes that fit into the rectangular prism?

Part 3



1. How many 1 in. cubes are needed to fill the bottom of the rectangular prism?
2. How many rows will be needed to fill the entire rectangular prism?
3. How many $\frac{1}{2}$ in. cubes are needed to fill the bottom of the rectangular prism?
4. How many rows will be needed to fill the entire rectangular prism?
5. How many $\frac{1}{4}$ in. cubes are needed to fill the bottom of the rectangular prism?
6. How many rows will be needed to fill the entire rectangular prism?
7. How many 2 in. cubes are needed to fill the bottom of the rectangular prism?
8. How many rows will be needed to fill the entire rectangular prism?
9. What relationship do you see between the size of the cube and the number of cubes needed to fill the rectangular prism?