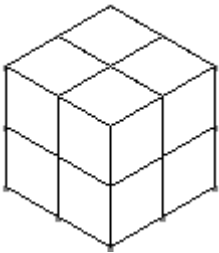


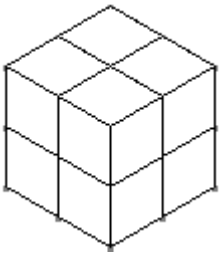
# Measuring Volume Informally

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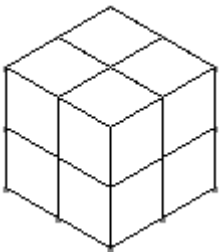
1. Construct this building with cubes. Share the building equally between two people. Then show the equal shares on the drawing by coloring the shares with different colors.



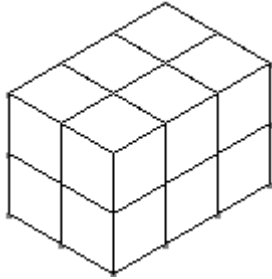
2. Share the building between two people in a different way. Express the shares numerically.



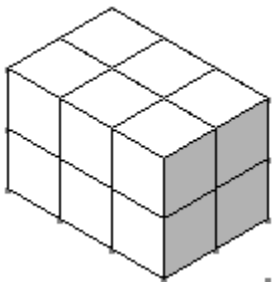
3. Share this building equally among four people. Show the equal shares on the drawing. Express the shares numerically.



4. Share this building equally among three people. Show the equal shares on the drawing. Express the shares numerically.



5. Share this building equally among four people. Show the equal shares on the drawing. Express the shares numerically.



6. Is it possible to make a rectangular building that has exactly 11 cubes? Is so, what does it look like? If not, why not?

7. What could be the possible dimensions for a rectangular building that has 24 cubes?

8. How are the numbers of cubes on each dimension related to the total number of cubes used to make a rectangular building?