Find the Hidden Cubes

Sometimes you cannot see all of the cubes that make up a solid figure. But when you find the volume of the figure, you must include those hidden cubes in your count.

Estimate the volume of each solid figure. Then build the figure with cubes. Find the exact volume of the figure by counting the number of cubes you used to build it.

1. Estimate: ____ unit cubes
   Exact: ____ unit cubes

2. Estimate: ____ unit cubes
   Exact: ____ unit cubes

3. Estimate: ____ unit cubes
   Exact: ____ unit cubes

4. Estimate: ____ unit cubes
   Exact: ____ unit cubes

5. Estimate: ____ unit cubes
   Exact: ____ unit cubes

6. Estimate: ____ unit cubes
   Exact: ____ unit cubes
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Estimate the volume of each solid figure. Then build the figure with cubes. Find the exact volume of the figure by counting the number of cubes you used to build it.

Estimates may vary.

1. Estimate: 5 unit cubes
   Exact: 6 unit cubes

2. Estimate: 8 unit cubes
   Exact: 10 unit cubes

3. Estimate: 9 unit cubes
   Exact: 11 unit cubes

4. Estimate: 6 unit cubes
   Exact: 7 unit cubes

5. Estimate: 12 unit cubes
   Exact: 15 unit cubes

6. Estimate: 12 unit cubes
   Exact: 18 unit cubes