

Name _____

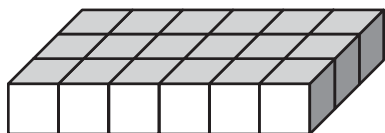
Unit Cubes and Solid Figures



COMMON CORE STANDARD—5.MD.C.3a
Geometric measurement: understand concepts of volume and relate volume to multiplication and to addition.

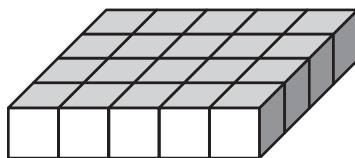
Count the number of cubes used to build each solid figure.

1.



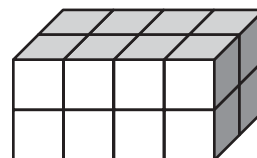
18 unit cubes

2.



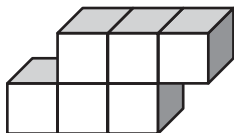
_____ unit cubes

3.



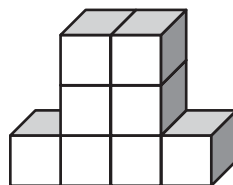
_____ unit cubes

4.



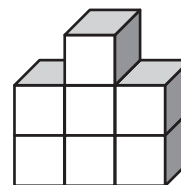
_____ unit cubes

5.



_____ unit cubes

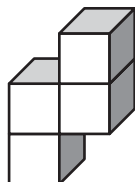
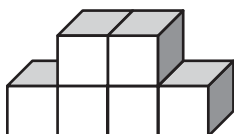
6.



_____ unit cubes

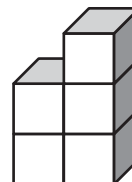
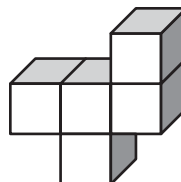
Compare the number of unit cubes in each solid figure. Use $<$, $>$, or $=$.

7.



_____ unit cubes ○ _____ unit cubes

8.



_____ unit cubes ○ _____ unit cubes

Problem Solving



9. A carton can hold 1,000 unit cubes that measure 1 inch by 1 inch by 1 inch. Describe the dimensions of the carton using unit cubes.

10. **WRITE** *Math* Draw and label examples of all rectangular prisms built with 16 unit cubes.
