Grade 5 Math

Week: 5/18-5/22

Day 37: Topic 10 -1 Model Volume

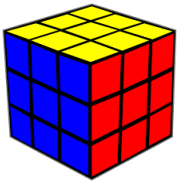
Standards: 5.MD.c.3a, 5.MD.C.3b and 5.MD.c.4
5.MD.C.3a: A cube with a side length of 1 unit is said to have "one cubic unit" of volume, and can be used to measure volume.
5.MD.C.3b: A solid figure which can be packed without gaps or overlaps using "n" cubes is said to have a volume in "n" units.
5.MD.C.4 Measure volumes by counting unit cubes, using cubic cm, in, cubic ft and improvised units.

Objective: Students will find the volume of a rectangular prism using a formula

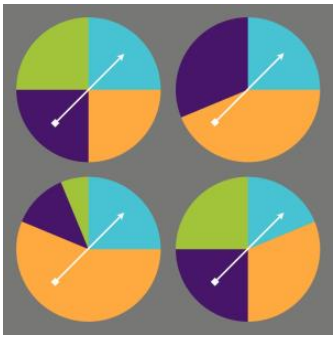
Instructional learning videos to support the review objective:

https://learnzillion.com/lesson_plans/6483-find-volume-by-counting-cubes/

1. **Practice Worksheet**: RETEACH 10-1
2. **Problem of the Day:** (POD)
   Find the volume of this shape. Explain your strategy to find the volume.



3. **NEW!! FUN ONLINE PRACTICE**: GO ON ST MATH 30 MINUTES/DAY (Access through CLEVER).
4. **Which One Doesn't Belong:** Can you find why EACH one does not belong? Tell an adult or older sibling your reasons.



Additional Support:

https://www.mathgames.com/skill/5.120-volume-of-cubes-and-rectangular-prisms

Additional Online Resources:

- EnVisions (through CLEVER)
- Imagine Math

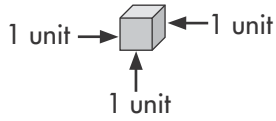
Name _____

Reteach to Build Understanding
10-1

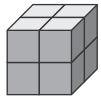
Vocabulary

1. A **unit cube** is a cube that measures 1 unit on each edge.
A **cubic unit** is the volume of one unit cube.
Volume is the number of cubic units needed to fill a solid figure without gaps or overlaps.

Unit cube

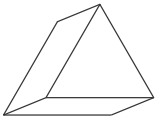


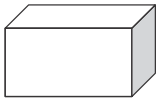
How many unit cubes are used to build the figure?

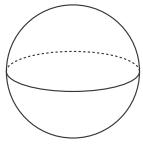


_____ unit cubes

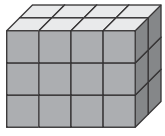
2. A **rectangular prism** is a solid figure with six rectangular faces. Circle the rectangular prism.



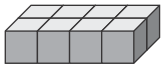




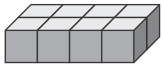
Find the volume of the solid figure by counting the number of unit cubes.



3. Count the number of cubes in the top layer. Then multiply by the total number of layers in the solid figure.



There are _____ cubes in one layer.



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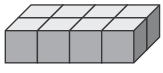
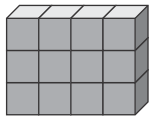


The volume is _____ × _____ = _____ cubic units.

4. You can also find the volume by counting the number of cubes in the front layer.



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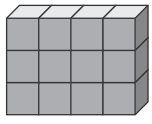
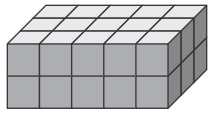


The volume is _____ × _____ = _____ cubic units.

On the Back!

5. Find the volume of the solid figure. Use unit cubes to help.



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10-1

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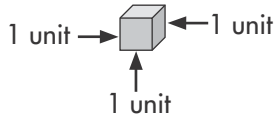

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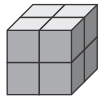

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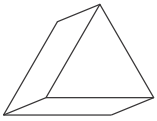

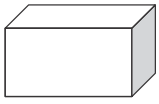

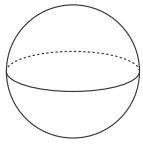

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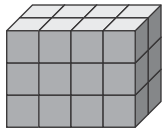

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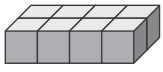

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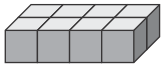

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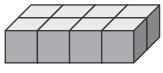

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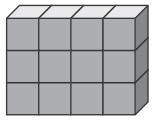

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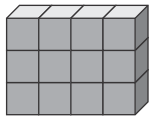

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