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| **Business Items**  Image result for business icon  **(10 minutes)** | **Step 1 - Spiral Review**  Complete the daily Spiral Review problems and be sure that you include your work. | **Step 2 - Warm Up**  Process the Error Analysis question independently. Talk to your shoulder partner about the misconception and what the correct answer should be. | | | | | **Step 3 - Math Talks – Homework Discussion**  Use the answer keys, if provided, to check your homework. With your shoulder partner, discuss the problem(s) that you still don’t grasp. | | |
| **Engage**    **(10 minutes)** | **Day #1:**    Montae bought a fish tank that measured 36 inches by 20 inches by 24 inches. What is the volume of water needed to fill the aquarium 75% of the way to the top? | | | | **Day #2:**    How many little ¼ inch cubes will fit inside the rectangular prism? | | | | |
| **Lesson**    **(20 minutes)** | **Coaching Points/Update Note Guide**  Volume with whole numbers   * Formula – L x W x H   Volume with fractional edge   * Same formula – L x W x H   Image result for find volume of rectangular prism with fractional edges  Solution - ½ x ½ x ¼ = 1/16 in3 | | | **Free Choice** | **Choice 1** – Watch the [**Khan Academy video**](https://youtu.be/M_9E-aJaD2A)on finding the volume of a rectangular prism with fractional edges.  [Image result for video icon](https://youtu.be/QUxoW9S3kKs) | | | **Choice 2** – Practice finding the volume of rectangular prisms with [**Minecraft**](http://www.xpmath.com/forums/arcade.php?do=play&gameid=118). | |
| **Choice 3** – Watch the [**quick video**](https://youtu.be/yBIjiBz-Szk) to see how to determine the number of small cubes in a bigger prism.  [Image result for video icon](https://youtu.be/tTegG4KJloE) | | | **Choice 4** – Practice finding the volume of rectangular prisms with fractional edges using [**Khan Academy.**](https://www.khanacademy.org/math/basic-geo/basic-geo-volume-sa/volume-with-fractions/e/volume_with_fractions) | |
| **Practice**    **(15-20 minutes)** | **Classwork #1:**  Tackle these [**5 challenging problems**](http://www.problem-attic.com/pdf/k9qfq4em) with your teammate. Check in with your teacher once you feel like you has answered all five correctly. | | | | **Classwork #2:**  In teams of two, solve these [**8 challenge problems**](http://mcdowellgeometry.weebly.com/uploads/2/6/7/6/26765014/volume_with_fractional_edges_assignment_2014-02-28_2.pdf) on notebook paper. Think critically and debate as you work through these volume problems. | | | | |
| **HW**  Image result for homework icon | **Homework #1:**  Click the document link to open up [**HW #1**](http://mcdowellgeometry.weebly.com/uploads/2/6/7/6/26765014/6.p.2.3_volume_of_prism_with_key.pdf). You will need to count the cubes to determine the dimensions of the length, width, and height before finding the volume. Use the key to check these 11 problems before returning to class. | | | | **Homework #2:**  Click the document link to open up tonight’s [**HW #2 assignment.**](http://mcdowellgeometry.weebly.com/uploads/2/6/7/6/26765014/6.p.2.3_volume_with_fractions_and_key.pdf)  You will be asked to the volume of 7 rectangular prisms with fractional edges. Be sure to use the answer key to check your homework before coming to class. | | | | |
| **Remediation** | **Let Your Data Drive Your Decisions**  Rate your level of understanding with finding the volume of rectangular prisms. If you feel weak at all, select a remediation tool from the choices provided. The additional help will pay off, as you work towards content mastery.  Image result for let data drive decisions | | **Free Choice** | **Choice A – Math Arcade**  Get some practice finding volume with[**game #1**](https://www.mathgames.com/skill/5.120-volume-of-cubes-and-rectangular-prisms) **and** [**game #2**](http://www.sheppardsoftware.com/mathgames/geometry/shapeshoot/VolumeShapesShoot.htm) | | **Choice B – Interactive Geometry**  Remediate with the [**Interactive Geometry site**](http://www.learner.org/interactives/geometry/area_volume.html) to help build fluency. | | | **Choice C** – **Word Problems**  Get some real world practice with [**Khan Academy’s word problems**](https://www.khanacademy.org/math/basic-geo/basic-geo-volume-sa/volume-with-fractions/e/volume-word-problems-with-fractions). |
| **Choice D – Lesson with Practice Quiz**  Go to the [**Math is Fun site**](http://www.mathsisfun.com/cuboid.html) and review the lesson. Complete the 10 practice problems when you are done. | | **Choice E – Interactive Practice**  Get some [**practice**](http://www.interactivestuff.org/sums4fun/3dboxes.html) finding the volume of rectangular prisms with whole numbers. | | | **Choice F – Help Desk**  Check in with the teacher for some quick, low key help. Be sure to bring some work samples to share. This will allow for a quick diagnosis. |