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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)** | **Math Talks 2.0**    Can you find the area of the irregular polygon on the coordinate plane? Turn to your should partner and take turns explaining what you would do. | | | | | | | | | |
| **Lesson**    **(20 minutes)** | **Coaching Points/Update Note Guide**  Option #1 - Decompose the irregular polygon into rectangles, triangles, parallelograms or trapezoids and find the areas of each shape by adding them together    Option #2 - Find the big area and subtract the small area to find the area of the irregular polygon | | | **Free Choice** | **Choice 1** – Watch this [**Khan Academy video**](https://youtu.be/JTg8gyQ37pM)for finding the area of irregular polygons.  [Image result for video icon](https://youtu.be/QUxoW9S3kKs) | | | | **Choice 2** – Test yourself with these [**9 interactive practice problems**](http://www.algebra4children.com/find_the_area_of_figures.html) from algebra4children. | |
| **Choice 3** – Watch this [**video**](https://youtu.be/9cbD1sKNn6A) for examples on finding the area of irregular polygons using both strategies.  [Image result for video icon](https://youtu.be/tTegG4KJloE) | | | | **Choice 4** – Practice finding the area of irregular polygons with [**Discovery Ed’s Polygon Composes/Decomposer Math Interactive**](https://app.discoveryeducation.com/learn/player/d8700208-8e1e-4ece-9fb9-201bc5a87a77)**.** | |
| **Practice**    **(15-20 minutes)** | **Classwork #1:**  With you shoulder partner, open the [**document**](http://mcdowellgeometry.weebly.com/uploads/2/6/7/6/26765014/6.g.1_wu_1_irregular_polygons.pdf) and find the area of Jim’s bedroom two different ways. Be prepared to share out with the class. | | | | | **Classwork #2:**  In teams of two, open the [**document**](http://mcdowellgeometry.weebly.com/uploads/2/6/7/6/26765014/6.g.1_wu_2_irregular_polygons.pdf) and determine two different ways to calculate the area of Cindy’s TV room. Be prepared to share out with the class. | | | | |
| **HW**  Image result for homework icon | **Homework #1:**  Solve the[**15 homework problems**](http://mcdowellgeometry.weebly.com/uploads/2/6/7/6/26765014/6.g.1_hw_1_irregular_polygons.pdf) by decomposing the irregular polygons into shapes that you are comfortable finding the area for. | | | | | **Homework #2:**  Solve the [**11 homework problems**](https://www.mvschools.org/cms/lib03/CA01001212/Centricity/Domain/135/D52.pdf) to solve the riddle of “Why Do Elephants Have Ivory Tusks?” | | | | |
| **Remediation** | **Let Your Data Drive Your Decisions**  Rate your level of understanding with finding the area of irregular polygons. 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 – Discovery Ed**  Get additional practice with the decomposing/composing method using [**Discovery Ed’s Area Architect 2**](https://app.discoveryeducation.com/learn/player/396e49f0-94d3-4686-9232-d90d54dd3f63)**.** | | | **Choice B – Video**  Watch the [**Khan Academy video**](https://youtu.be/oL9iF9Se6lc) where the area of the irregular polygon is drawn on graph paper. | | | **Choice C** – **Shodor**  Find the area of irregular polygons with [**Shodor’s Area Explorer**](http://shodor.org/interactivate/activities/AreaExplorer/). |
| **Choice D – Interactive Lesson**  Check out this [**interactive lesson from learnalberta**](http://www.learnalberta.ca/content/me5l/html/math5.html?goLesson=13). Feel free to fast forward through the lesson material on perimeter. | | | **Choice E – Splash Math Game**  Find the area of complex figures on [**Splash Math**](https://www.splashmath.com/area-and-perimeter-games). | | | **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. |