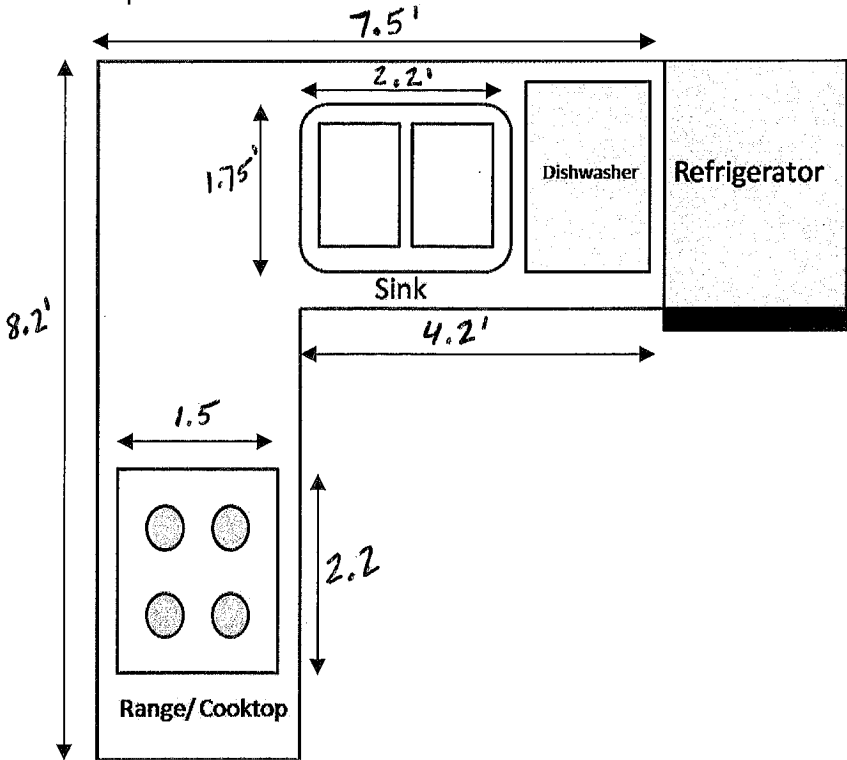


IS THAT REAL???? TAKE IT FOR GRANITE!!!!

Name _____ Hour _____

Some of you may have beautiful Granite counter tops in your home; others do not...including your science teacher: Ms. Crownhart. (sad face) *(Granite Website if you want to check it out.)*

She wants your help in picking out the perfect counter top for her dream home someday. Use i-nigma app on your iPad to load the following QR codes and answer the questions. You will also need the calculator on the iPads.



Calculate the square feet that Ms. C needs to cover in her kitchen. Don't include the space for the refrigerator. If you don't remember how to do this, use this website for help:



Show your work here: (don't forget to subtract the sink and stove...I can't afford extra cost!!!)

Total Square Feet needed: _____



Now you get to pick out the pretty Granite! Scan this code to the left. Scroll through all the options and pick your favorite one. Notice you can change the cabinet color as well.

What does your granite look like? **Color** this space to show me a sample of what you picked.

Cabinet Color: _____

Name of Granite Type: _____

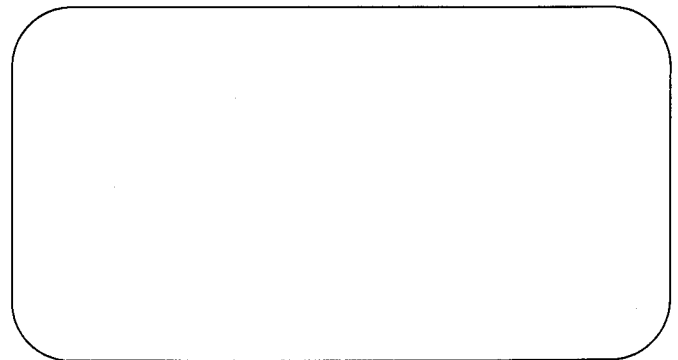
Price per Square feet: _____

How much will this counter top cost Ms. C?

Total Sq. Ft needed: _____

X _____ (price/sq. ft)

Total Price = \$ _____



1. Explain in your own words how INTRUSIVE igneous rocks forms: (use your notes) _____

2. Go back to the granite sample page. Compare Crema Caramel to Giallo Fiorito



Which has the larger crystals (color blobs are crystals)? _____ Knowing how igneous rocks form, what caused the one rock to have larger crystals? _____

3. Samples like Black Galaxy, Tan Brown and Uba Tuba are very dark. Technically they aren't Granite. Use the igneous rock key in lab to determine their proper name: _____

3. Now look at the samples of Magma Black, and Noble Bronze. They look different from the rest of the samples. That's because these rocks aren't even IGNEOUS! How do you know?

_____ What type of rock are these? _____

4. What do you call it when you see those lines? (check your notes)

5. Go look and touch the sandstone rock at the front table. People don't make counter tops out of sandstone. Think of two reasons that sandstone would NOT be used for counter tops?

a. _____

b. _____



6. Scan this code and watch the youtube video. What type of rock are you watching being formed? Be as specific as possible! _____

7. Can you figure out what country this youtube video was recorded in? _____



8. Skeletons of sea creatures make which type of sedimentary rock? (clastic or organic) _____



9. Watch this last video on metamorphic rocks, describe what happens to the minerals in the Granite rock. _____



10. What granite counter top samples did this happen to?

_____, _____