Reflection on Geometry of Crew Capsule

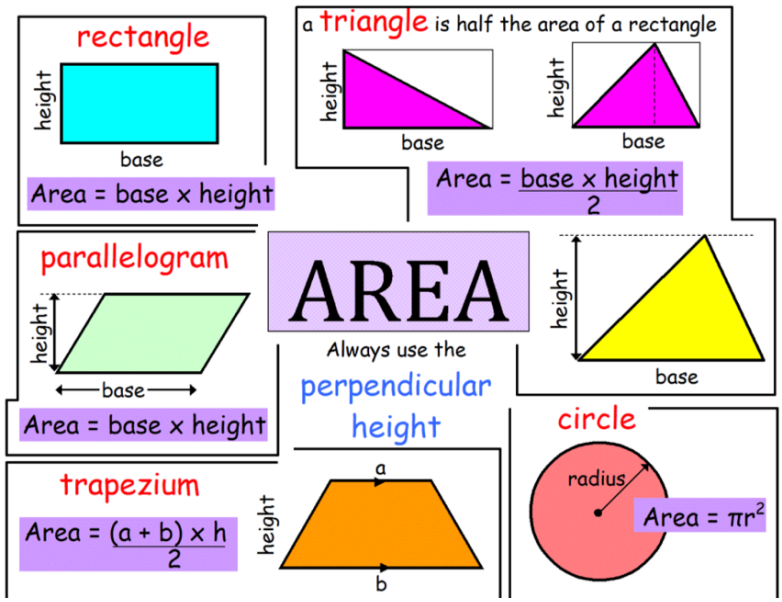
By Eliana A-Dotson

PART 1: Geometry of Crew Module Reflection

Great job on your first challenge figuring out the geometry of the Orion Crew Module and putting together your own learning.

Now is your turn to reflect what you learned

Here a little reminder:



For this part, please write below a short sentence reflecting on what we did:

1. What is something new I learned? From the video or practice

2. What was easy:

    a. Identifying shapes in the crew module
    b. Calculating area
    c. Understanding PI
    d. Seeing simple shapes in the crew module
    e. Other: _____

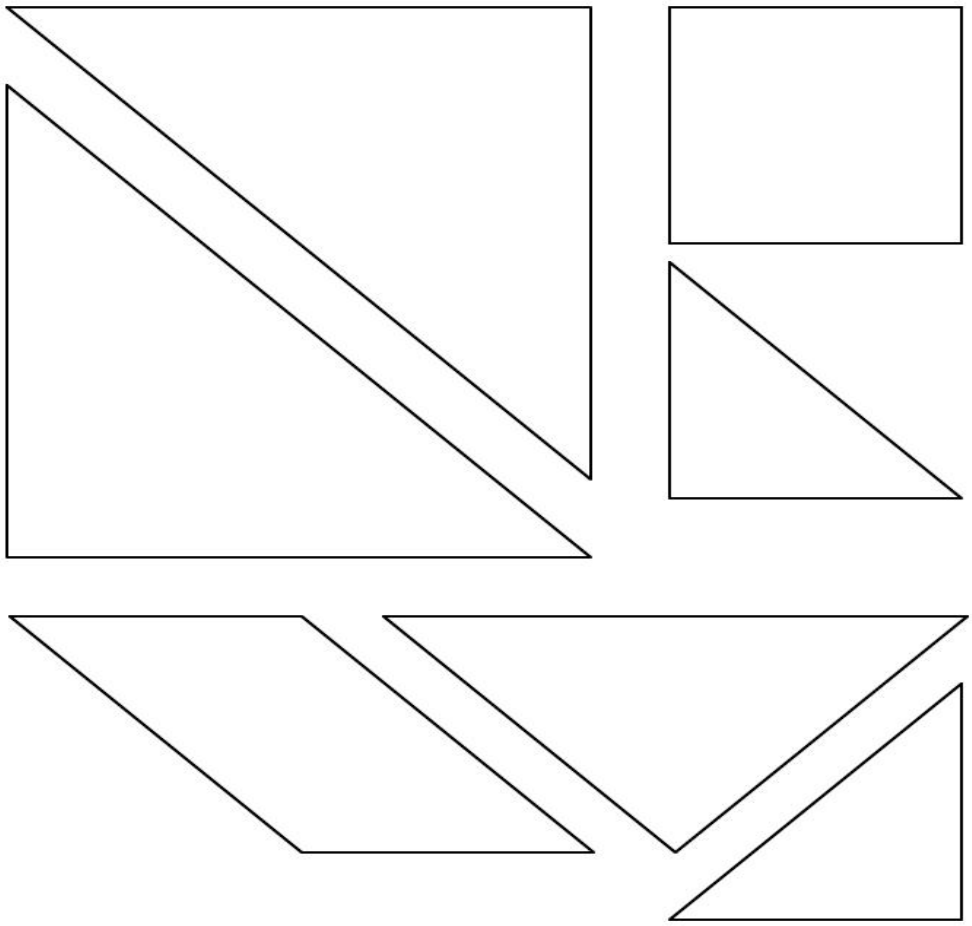
3. What was difficult and still unclear? How can I learn more about it?

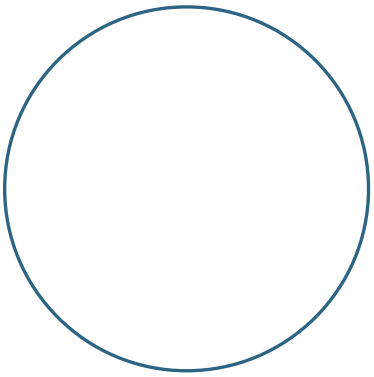
BONUS POINTS– teach your parents or siblings how to do it!

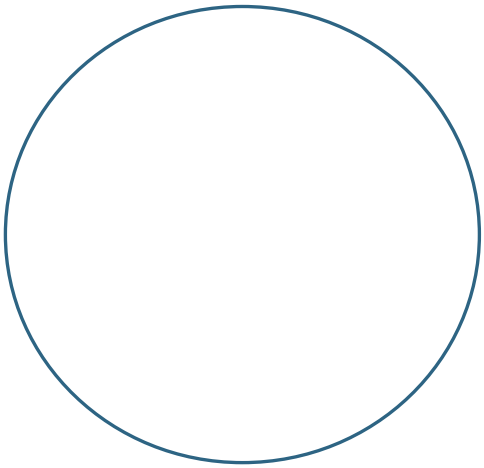
Just for fun: now let's try to revise our concepts again by building your own structure and to calculate the area.

Your mission:

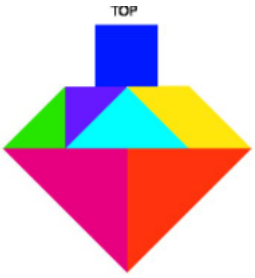
1. In the following page there is a tangram (and a couple of circles)
2. Cut them up
3. Measure each shape (make sure you use the same units: cm, inches, mm, etc)
4. Using at least 3 shapes build a small structure (house, rocket, boat, etc), feel free to add the circle
5. Calculate the area for your amazing structure
6. Share your results







Here an example:



Notice this example does not include any circle areas... challenge yourself to create your OWN and add a circle to it

1. Was this second time easier?

2. Am I still unclear?

3. I feel confident, I understand:
    a. How to calculate area of different shapes
    b. Why is important know the area of a giving structure?
    c. (fill your own): _____

GLUE TOGETHER HERE YOUR MASTERPIECE

CALCULATE THE AREA OF YOUR MASTERPIECE AS WE DID FOR THE CREW MODULE (show your work)

Shape name	Dimensions (length, width, diameter, radios, base,etc)	UNITS	FORMULA AREA	MY WORK SHOW MY RESULTS