

Online set work:

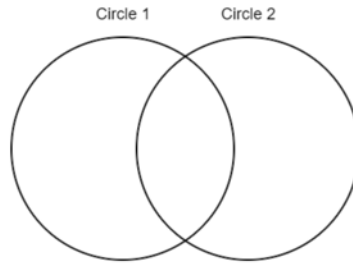
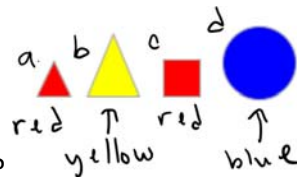
name: _____

1. At the Shodor Shape Sorter site, the possible set rules are: _____ →

A. Choose the option “**make a rule**” (on the left) Choose the **two intersecting sets** (overlapping circles) at the top. Set rule 1 to be “Triangle”. Set rule 2 to be “Large”. Where do

Choose A Rule ▾

- Circles
- Triangles
- Squares
- Hexagons
- Small
- Big
- Red
- Yellow
- Blue




these shapes belong?

B. Choose the option “**make a rule**” (on the left) Choose the **two disjoint sets** (no overlap) at the top. Set rule 1 to be “Circle”. What rules are allowed choices for rule 2?

Why is “red” no longer a choice for rule 2?

C. Choose the option “**make a rule**” (on the left) Choose **two intersecting sets** (overlapping circles) at the top. Set rule 1 to be “Circle”. What rules are allowed choices for rule 2?


Why is “triangles” no longer a choice for rule 2?

2. At the Shodor Shape Sorter site choose **guess the rule**  and

overlapping sets

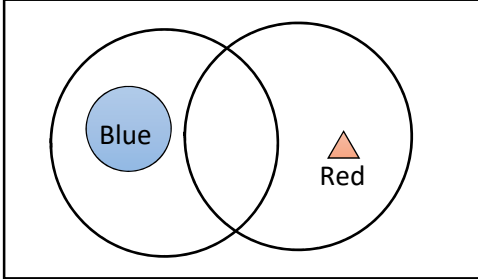


Play the game a few times (doing this with a partner is probably a good idea)

Remember that the possible set rules are: 

- Choose A Rule ▾
- Circles
- Triangles
- Squares
- Hexagons
- Small
- Big
- Red
- Yellow
- Blue

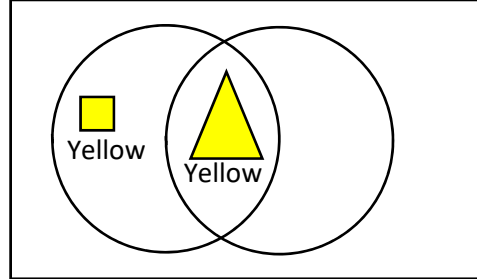
A. Suppose you have figured out these two shapes:



What are the possible rules for set 1?

If the rule for set 1 was "Blue shapes", what would be the possible rules for set 2?

B. Suppose you have figured out these two shapes:



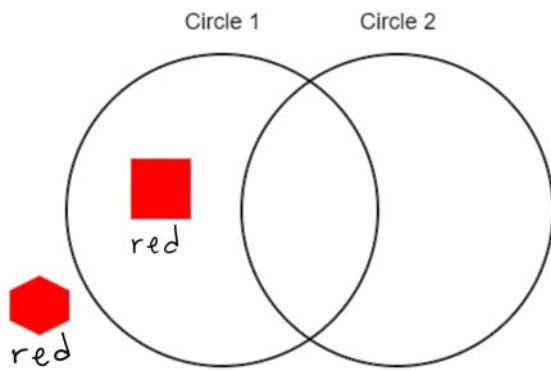
You can figure out the rule from set 1 from this. What is the rule, and how do you know that's the only possibility?

What are the possible rules for set 2?

What shape would let you figure out the rule for set 2 (if you knew where it went)

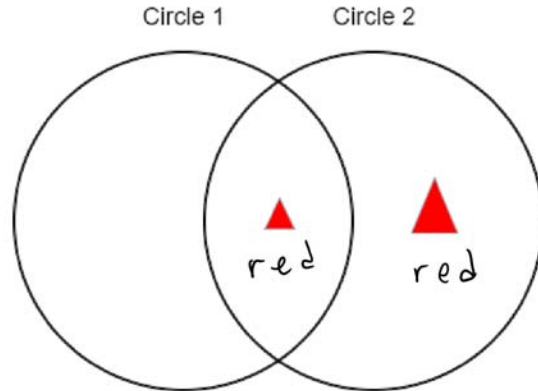
3. From the 2-circle shape sorter: <http://shodor.org/interactivate/activities/ShapeSorter/>

A.



Circle 1's rule has to be:

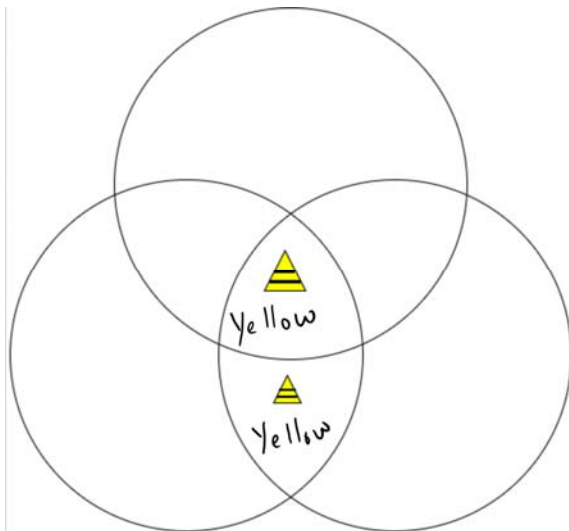
B.



Circle 1's rule has to be:

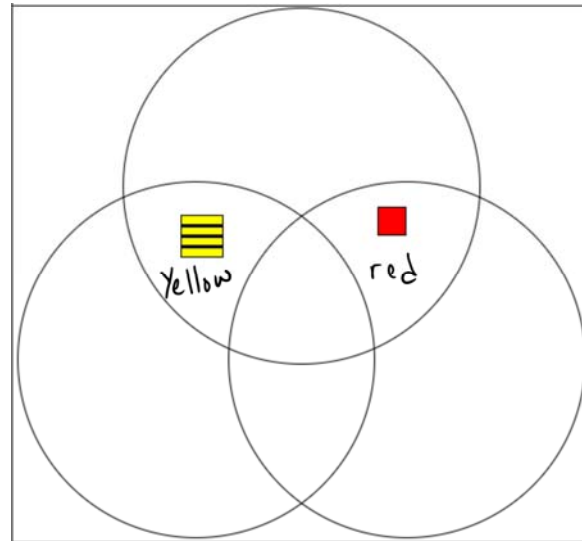
4. From the 3-circle shape-sorter page: <http://www.shodor.org/interactivate/activities/TripleVennDiagram/>
(use the possible rules from this web application)

A. What is the top set?



The top circle's rule has to be:

B. What is the top set?



The top circle's rule has to be: