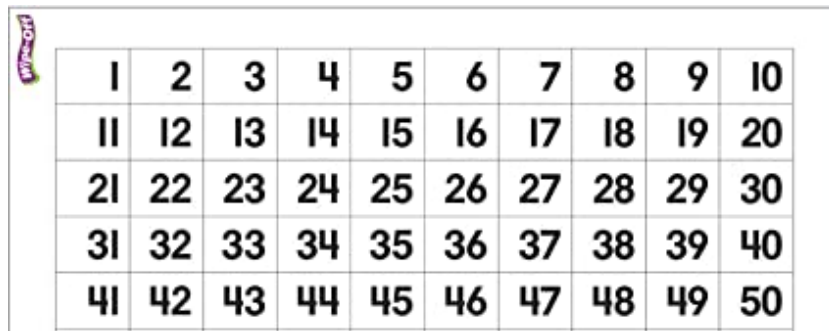# Number Sort*

*Using Dan Finkel's Prime Climb

Goal: See numbers and the relationship between numbers differently and group the numbers according to the patterns seen.
Grade Level: Intermediate (Grades 5 to 7)
Previous Learning: A basic understanding of factors and multiples
Materials: A computer with access to the internet, a Google Suit account

What do you notice about these numbers?

What about these numbers?

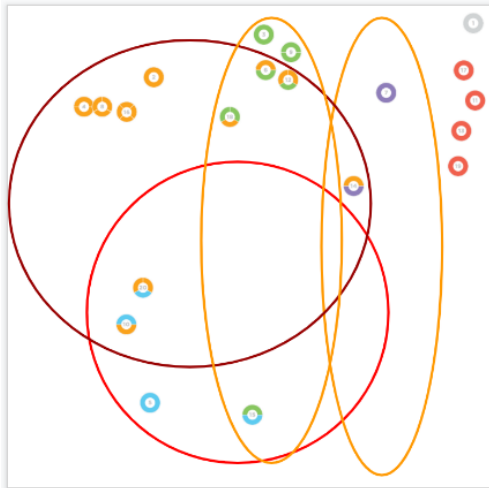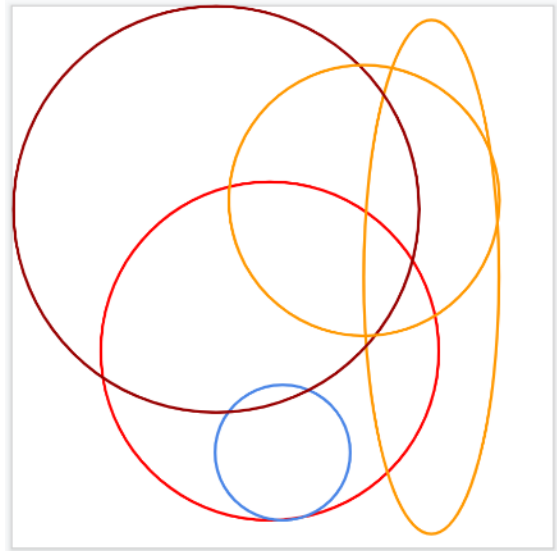What patterns do you notice?
What do you think the colours mean?
How would you sort the numbers?

Go to this link and create your own copy of the slide. [You would need to sign into a Google account]
Sort the numbers by dragging them into circles like a Venn diagram

1. Decide how you want to group the numbers. [Based on number of factors or colour or something else]

2. Place the circles you would want to use on the slide. [You can add, remove, or reshape the circles]

3. Move the numbers into the appropriate circles. [You may need to rework the circles to put all the numbers]

Think about it:

Would there be a better way to sort the numbers?

What if you arranged the numbers in a different way say by 8's not 10's or you created a spiral, what patterns would you notice?

Would larger numbers fit into your groupings?