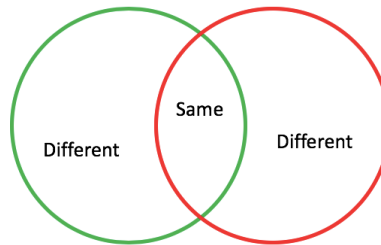


Mathletes Problem of the Week #15

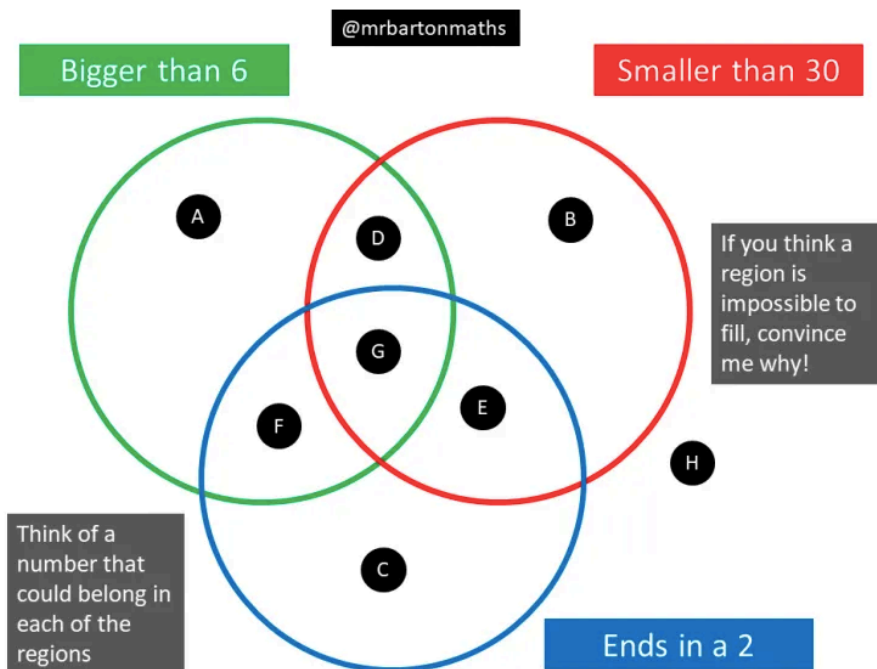
Venn Diagram Challenges



A Venn diagram is an illustration of the relationships among groups of objects. Each circle contains all the elements of a group. The Venn diagram helps us identify similarities between two or more groups (shown where they overlap) and differences (where they do not overlap). Try these Venn diagram challenges from Craig Barton's mathsvenns.com website.

For each Venn diagram, try to find at least one number that could fit in each of the regions in the diagram (labeled with letters A – H). How many numbers can you find for each region? Which regions in a diagram contain more numbers than others? Why? If you think there are no numbers that could fit in a region, explain why it is impossible.

a)



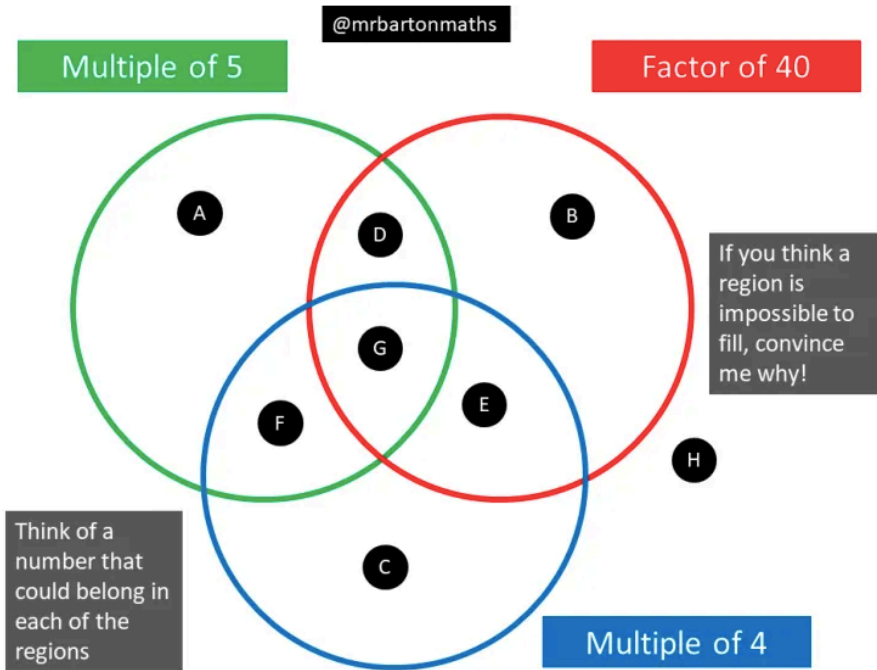
Solutions & Explanations: (More challenges on the next pages. Try one or try them all!)

Name _____ Class _____

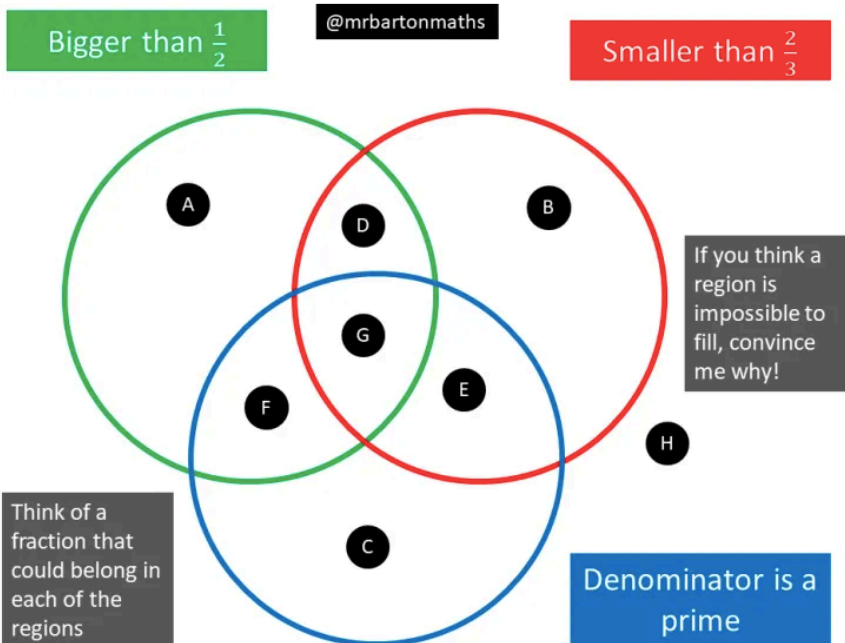
(First and last name, please!)

Solutions due: April 10th

b)



c)



d) Use the blank templates below to make your own Venn diagram challenges!

