It’s Autumn, and that means leaves are falling! Amber’s house occupies 2650 ft² in the middle of a 50-foot by 80-foot parcel of land, and the leaves that fall cover the ground all around her house. If it takes Amber’s family 4.5 hours to rake all the leaves, how many square feet of leaves did they rake each hour?

Last year, when Amber’s family raked the leaves, they used one bag per 100 square feet raked. This year, since there were more fallen leaves, they ended up using 50% more bags. How many more bags did they use this year?

Amber especially loves this time of year, when the leaves on the trees in her yard begin changing color to display an array of vibrant colors. There are yellow hickory tree leaves, orange maple tree leaves, purple cherry tree leaves, yellow ash tree leaves and scarlet dogwood tree leaves. Before raking, Amber collected some of the fallen leaves for a craft project. If the leaves Amber collected include at least one leaf from each type of tree, at least two purple leaves and at least three yellow leaves, how many different collections of 10 leaves are possible?