Diminishing Return

Level C

Maxine and Sammie have lawns that are the same size. Maxine can mow her lawn in 24 minutes, and Sammie can mow his lawn in 36 minutes. After how many minutes will Sammie have twice as much lawn to mow as Maxine?

Maxine and Sammie also have to mow their parking strips, which are the same size. Maxine can mow her parking strip in 6 minutes, and Sammie can mow his parking strip in 9 minutes. After how many minutes will Sammie have twice as much grass to mow as Maxine?