Sharing Fancy Ribbon

Sarah bought three yards of fancy ribbon and decided to share it with some of her friends. First, she cut the ribbon in half and kept one-half of it for herself. From the half she shared, Sarah cut off one-third and gave it to Julie. Then she cut the ribbon again and gave Grace two-thirds of what was left. She kept the final piece that was leftover for herself.

*How long are the pieces of ribbon that Julie and Grace received in feet?*

*If Sarah concatenated — put her two pieces together end to end, what is the total length of the ribbon Sarah has in feet?*