

Labor Day
6th – 8th Grade:

1. The Labor Day Parade route is 1.8 miles long. The American Legion Float has 40 pounds of candy to distribute during the parade. They need to divide the candy to have an equal amount for each section of the route. How do you recommend dividing the candy? Tell both the amount of candy and define the length of the parade for each section? Justify your decision.

2. William's family is hosting a backyard barbeque to celebrate Labor Day. William plans to smoke (which is a way of slow cooking that adds a smokey rich flavor) a 12.5-pound pork roast to make pulled pork sandwiches. The meat needs to cook 1.5 hours per pound of pork at a temperature of 225° then rest for 2 hours before pulling and preparing it for sandwiches. William begins cooking the pork at 7 pm on Sunday evening. At what time on Monday will the pork be ready to serve? Justify your answer.

3. Layla is visiting her cousins (who live 130 miles away) for the Labor Day weekend. If she follows all speed limits along the route, it will take her 2.5 hours to arrive. What is Layla's average driving speed? Justify your answer.
