

1.
2. Since there are tea stations between every other street block, there are $18 \div 2 = 9$ separations. However, Ethan is only responsible for the tea stations between his blocks, so he is responsible for $9 - 1 =$.
3.
4. There are 10 boys: BBBB BBBB. A girl stands between every other boy: BBG BBG BBG BBG BBG. There are girls.
5.
6. There are four flights of stairs in five floors: to get from floor 1 to floor 2, floor 2 to floor 3, floor 3 to floor 4, floor 4 to floor 5. He went up four flights in 100 seconds, so it takes him 25 seconds per flight of stairs. If he is on the fifth floor, there are 5 more flights to the tenth floor. So he will take $25 \times 5 =$ seconds.
7.
8.
9.
10.