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## How Many Teams?

In eastern North Carolina there are 3,277 fourth graders signed up for basketball. In western North Carolina there are 2,981 fourth graders signed up for basketball. In the Piedmont region there are 1,512 players signed up. Every player will get placed on a team in their region of the state.

Part 1:

The league wants to place 9 players on each team. Leftover players will be added to teams, so some teams will have ten players. How many teams will have 9 players? How many teams will have 10 players? Explain your reasoning.

Part 2:

In order to maximize playing time, the league decides to only place 7 players on each team. If there are extra players, some teams will have 8 players. How many teams will have 7 players? How many teams will have 8 players? Explain your reasoning.