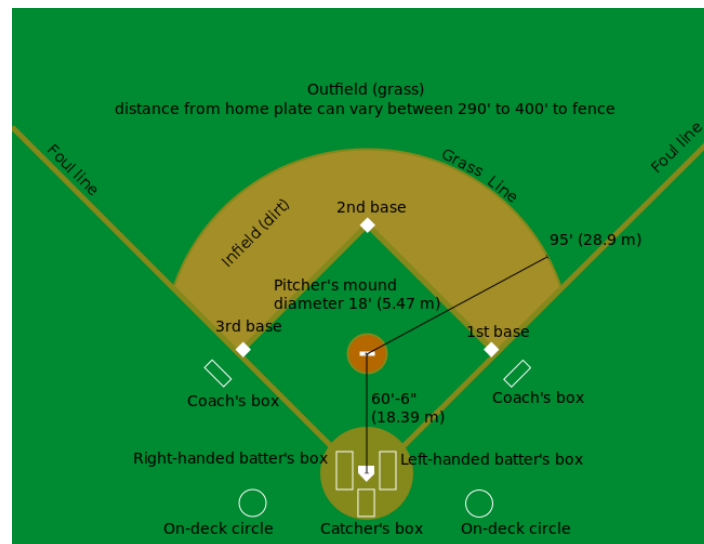


Answer on Question #43254 – Math – Other

There are 6 innings in a baseball game, 11 players on a team - sometimes 12. Each player must play 4 innings total during the game, and one of those innings must be played in the infield. Is it mathematically possible for each player to be able to do this?

Solution:



There are eight position players — catcher, four infielders, three outfielders—who play on a regular basis. Thus, if there are 11 or 12 players, every player can play 4 innings total during the game, and if there are four infielders, one of those innings can be played in the infield. Hence, it is mathematically possible.

Answer: possible.