

Football! Football?

In a certain football game, a team can score only 3 or 7 points at any one time. What is the largest number that could not be a team score in the game?

Continue the table to help you answer the question.

Team Score	Points Used
1	not possible
2	not possible
3	3
4	not possible
5	not possible
6	3 + 3
7	7
8	not possible
9	3 + 3 + 3
10	
11	
12	
⋮	
⋮	
⋮	

- Make a similar table, assuming the team can score only 4 or 7 points at any one time. What is the largest number that could not be a team score using these two numbers?
- What if the team can score only 3 or 8 points at any one time? Make a table, again, to help you decide what is the largest number that could not be a team score.
- What if the team can score only 5 or 7? Only 5 or 8? Only 4 or 9? Only 3 or 6? Only 4 or 8?