

Test 6 : Cheers

James, the famous spy, has to find the number of gangsters who are having a meal together. With a hidden microphone James can hear everything in the room. When two of the gangsters toast each other with "good health" they clink their glasses together, but just once. Because they are so polite the other gangsters do not clink glasses at the same time. All of the gangsters clink glasses with each other.

James hears 21 clinks as the gangsters toast each other.

How many gangsters are at the meal? Justify your answer

