

Supreme Court Handshake

NAME _____

When the nine justices of the Supreme Court Justices meet each day, each shakes the hand of every other justice, to show harmony of aims, if not views.

Record the number of handshakes for each size group below.

PEOPLE	HANDSHAKES
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	
30	
100	
n	

1. If each justice shakes hands exactly once with each of the other justices, how many handshakes take place?
2. How can you determine the number of handshakes for a group too large to model?