

**Re:   Emoji Skin-Tone Combinatorics**  
**From:   Mark Davis, ESC**  
**Date:   2018-07-17**

The following lists the number of combinations that would be necessary to add skin-tones to all group emoji as per [L2/18-223](#) “UTS #51: add skin-tone/gender info for groups”.

- Column M, F combinations are for Male and Female.
- Column M, F, N\* combinations are for Male, Female, and Unspecified Gender.
  - For the handshake, no gender is involved.

The people holding hands are by far the most popular, over 2x all the family put together, 4x people with bunny ears, and 6x both the kiss and couple with heart.

Category	Subcategory	Name	Hex	Emoji	M,F	M,F,N*
				<b>Totals</b>	<b>4,515</b>	<b>4,990</b>
Smileys & People	body	handshake	\x{1F91D}...		15	15
Smileys & People	person-activity	people with bunny ears	\x{1F46F}...		55	70
Smileys & People	person-sport	people wrestling	\x{1F93C}...		55	70
Smileys & People	family	people holding hands	w/ new chars...		55	70
Smileys & People	family	kiss	\x{1F48F}...		55	70
Smileys & People	family	couple with heart	\x{1F491}...		55	70
Smileys & People	family	family: ...	\x{1F468 200D 1F466} ...		4225	4625

For 2 items of different gender (or handedness, there are 25 different combinations. For two items of the same kind, there are 15:

	6	5	4	3	1-2	Total
6	x	x	x	x	x	5
5		x	x	x	x	4
4			x	x	x	3
3				x	x	2
1-2					x	1
Total	1	2	3	4	5	15

