

The table shows a sample of Merrill's experiment. The results of 5 mice from each group are shown below.

subject	group	w1r1	w1r2	w1r3	w2r1	w2r2	w2r3	w3r1	w3r2	w3r3	w4r1	w4r2	w4r3	meanw1	meanw2	meanw3	meanw4
1	a	1,068	534	352	982	170	492	492	926	273	110	592	632	651	548	564	445
2	a	1,017	568	529	715	608	89	383	57	166	89	319	251	705	471	202	220
3	a	1,156	720	60	620	572	239	795	83	136	660	230	152	645	477	338	347
4	a	805	205	497	209	396	600	106	419	485	369	561	52	502	402	337	327
5	a	456	245	1,160	401	533	828	589	422	319	442	389	462	620	587	443	431
25	b	480	786	409	220	440	834	311	146	84	139	103	62	558	498	180	101
26	b	828	252	677	637	379	302	454	117	194	163	204	119	586	439	255	162
27	b	642	399	604	12	343	418	129	266	228	102	171	183	548	258	208	152
28	b	653	465	686	749	497	251	214	252	177	164	154	141	601	499	214	153
29	b	229	1,126	442	258	766	533	275	115	244	158	100	139	599	519	211	132
49	c	757	532	463	1,060	806	679	1,523	1,207	1,182	1,973	1,594	1,622	584	848	1,304	1,730
50	c	610	561	584	1,302	807	906	1,717	1,277	1,346	2,052	1,852	1,699	585	1,005	1,447	1,868
51	c	877	440	495	674	1,045	943	1,220	1,183	1,287	1,711	1,661	1,358	604	887	1,230	1,577
52	c	511	664	398	1,127	1,110	962	1,512	1,059	1,234	1,600	1,806	1,781	524	1,066	1,268	1,729
53	c	262	379	400	822	1,040	900	1,426	1,032	1,089	2,149	1,613	1,786	347	921	1,182	1,849

Questions

- One way to compare two numbers is find the difference. For each subject, find the difference of "meanw4" and "meanw1".
- Write a sentence to explain what it means if the difference from question 1 is positive. What if the difference is negative?

