

**American Chemical Society Division of Chemical Education
Composite Norms – Organic Chemistry Form 2012**

Score	Percentile	Score	Percentile	Score	Percentile
70	100	45	77	20	3
69	100	44	74	19	2
68	100	43	72	18	2
67	100	42	69	17	1
66	100	41	66	16	0
65	100	40	63	15	0
64	100	39	60	14	0
63	99	38	58	13	0
62	99	37	54	12	0
61	98	36	51	11	0
60	98	35	48	10	0
59	97	34	44	9	0
58	96	33	41	8	0
57	95	32	37	7	0
56	95	31	33	6	0
55	94	30	29	5	0
54	92	29	25	4	0
53	91	28	21	3	0
52	90	27	18	2	0
51	88	26	15	1	0
50	87	25	12	Mean	36.99
49	85	24	10	Std. deviation	10.62
48	83	23	8	Median	35.2
47	81	22	6	KR-21 reliability	0.86
46	79	21	4	Std error/meas	4.01

Based on the scores of 4230 students in 71 colleges.