

**American Chemical Society Division of Chemical Education
Composite Norms – Organic Chemistry 2018 (OR18)**

Score	Percentile	Score	Percentile	Score	Percentile
70	100	44	81	18	6
69	100	43	78	17	4
68	100	42	76	16	3
67	100	41	74	15	2
66	100	40	72	14	1
65	100	39	69	13	1
64	100	38	66	12	0
63	100	37	63	11	0
62	99	36	60	10	0
61	99	35	57	9	0
60	99	34	53	8	0
59	98	33	51	7	0
58	98	32	48	6	0
57	97	31	44	5	0
56	96	30	41	4	0
55	96	29	38	3	0
54	95	28	34	2	0
53	94	27	30	1	0
52	93	26	27	0	0
51	92	25	24		
50	91	24	21		
49	89	23	17		
48	88	22	15		
47	86	21	12		
46	84	20	10		
45	83	19	7		

Mean	33.9
Std. deviation	11.1
Median	33
KR-21 reliability	0.87
Std error/meas	3.99

OR18 Norms
based on the scores of 1944 students from 36 institutions

