

**American Chemical Society Division of Chemical Education
Composite Norms – Organic Chemistry 2017 (OR17)**

Score	Percentile	Score	Percentile	Score	Percentile
70	100	44	68	18	2
69	100	43	65	17	1
68	100	42	63	16	1
67	100	41	60	15	0
66	100	40	58	14	0
65	99	39	55	13	0
64	99	38	52	12	0
63	98	37	50	11	0
62	97	36	47	10	0
61	96	35	44	9	0
60	95	34	41	8	0
59	94	33	38	7	0
58	93	32	35	6	0
57	92	31	32	5	0
56	90	30	29	4	0
55	88	29	26	3	0
54	86	28	23	2	0
53	85	27	19	1	0
52	83	26	17	0	0
51	81	25	15		
50	80	24	12		
49	78	23	9		
48	76	22	7		
47	74	21	5		
46	72	20	4		
45	70	19	3		

Mean	38.5
Std. deviation	12.2
Median	37
KR-21 reliability	0.90
Std error/meas	3.93

OR17 Norms
based on the scores of 1155 students from 22 institutions

