

American Chemical Society Division of Chemical Education
Composite Norms
Organic Chemistry, Full-Year 2020 (OR20)

Score	Percentile	Score	Percentile	Score	Percentile
70	100	44	74	18	3
69	100	43	72	17	2
68	100	42	69	16	1
67	100	41	66	15	1
66	100	40	64	14	1
65	99	39	61	13	0
64	99	38	58	12	0
63	99	37	55	11	0
62	98	36	52	10	0
61	98	35	48	9	0
60	97	34	44	8	0
59	96	33	42	7	0
58	96	32	38	6	0
57	95	31	35	5	0
56	94	30	31	4	0
55	93	29	28	3	0
54	92	28	25	2	0
53	90	27	23	1	0
52	88	26	19	0	0
51	87	25	16		
50	86	24	13	Mean	36.7
49	84	23	10	Std. deviation	11.3
48	82	22	8	Median	35
47	81	21	6	KR-21 reliability	0.88
46	78	20	5	Std error/meas	3.98
45	76	19	4		

OR20 Norms
 based on the scores of 1692 students from 40 institutions

