

**American Chemical Society Division of Chemical Education
Composite Norms – 2010 High School Chemistry Exam – Advanced (HS10A)**

Score	Percentile	Score	Percentile	Score	Percentile
60	100	35	60	10	0
59	100	34	57	9	0
58	100	33	52	8	0
57	100	32	50	7	0
56	99	31	47	6	0
55	98	30	44	5	0
54	98	29	42	4	0
53	97	28	38	3	0
52	97	27	35	2	0
51	96	26	31	1	0
50	94	25	25	0	0
49	94	24	20		
48	92	23	17		
47	90	22	16		
46	89	21	13		
45	87	20	11		
44	85	19	9		
43	82	18	8		
42	80	17	6		
41	77	16	5		
40	74	15	3		
39	73	14	2		
38	70	13	1		
37	66	12	1		
36	64	11	1		

Mean	32.1
Std. deviation	10.3
Median	32
KR-21 reliability	0.87
Std error/meas	3.7

HS10A: 2010 High School Chemistry Exam – Advanced
based on the scores of 525 students from 19 different institutions

