Appendix 3. Complexity ratings.

		Means			sds			
	Concepts	Line drawings	Gray level	Colorized	Line drawing	Gray level	Colorized	
1.	accordion	4.35	4.41	4.06	0.62	0.76	0.93	
2.	airplane	4.12	4.12	3.94	0.86	0.74	1.31	
3.	alligator	4.06	4.18	3.94	0.81	0.65	0.81	
4.	anchor	2.35	2.59	2.41	0.87	0.76	0.88	
5.	ant	4.00	4.18	3.94	0.50	0.40	0.68	
6.	apple	1.06	1.18	1.35	0.06	0.15	0.99	
7.	arm	2.94	2.47	2.53	1.18	1.01	1.89	
8.	arrow	1.12	1.24	1.41	0.24	0.57	0.76	
9.	artichoke	2.82	2.71	2.94	0.90	1.10	1.31	
10.	ashtray	2.06	2.00	1.76	0.43	0.38	0.32	
11.	aspargus	2.53	2.41	2.41	1.14	0.88	0.88	
12.	axe	1.41	1.59	1.65	0.38	0.38	0.37	
	baby cariage	4.12	3.71	3.29	0.36	0.47	0.85	
14.	ball	1.94	1.59	1.59	0.93	0.63	1.13	
	balloon	1.06	1.18	1.24	0.06	0.15	0.32	
	banana	1.06	1.12	1.41	0.06	0.11	1.01	
	barn	4.00	4.29	3.71	1.00	0.35	1.10	
	barrel	2.35	2.65	2.24	0.87	0.99	1.07	
	baseball bat	1.41	1.18	1.47	0.26	0.15	0.64	
	basket	3.18	2.53	2.53	1.78	0.64	1.51	
	bear	3.82	3.82	3.82	0.40	0.90	0.78	
	bed	2.41	3.00	2.29	0.63	0.25	0.47	
	bee	4.35	4.41	4.18	0.49	0.38	0.53	
	beetle	4.18	3.94	3.88	0.78	1.06	1.36	
	bell belt	2.53 2.00	2.53 2.24	2.12 1.65	0.76 0.50	0.26 0.69	0.49 0.37	
		3.88	4.24	3.24	0.38	0.69	0.82	
	bicycle	3.24	3.71	3.71	0.36	0.60	1.22	
	blouse	2.94	3.12	2.59	0.44	0.74	1.01	
	book	1.71	1.88	1.59	0.60	0.49	0.38	
	book	2.12	2.47	2.29	0.49	0.39	0.85	
	bottle	1.12	1.35	1.44	0.11	0.37	0.53	
	bow	2.71	2.59	2.18	0.85	0.51	0.90	
	bowl	1.53	1.35	1.29	0.51	0.24	0.35	
	box	1.41	1.29	1.18	1.01	0.22	0.28	
	bread	1.41	1.82	1.82	0.26	0.53	1.15	
	broom	1.94	2.00	1.88	0.56	0.38	0.49	
	brush	2.00	2.00	1.59	0.50	0.38	0.38	
	bus	4.35	4.24	3.82	0.74	0.44	0.78	
	butterfly	3.71	4.00	3.53	0.47	0.63	1.14	
	buttton	1.35	1.47	1.41	0.37	1.14	0.63	
42.	cake	2.06	2.29	2.24	1.00	0.85	0.57	
43.	camel	4.00	3.76	3.88	0.38	0.69	0.86	
44.	candle	2.00	2.29	2.06	0.75	0.47	0.68	
45.	cannon	4.35	4.12	4.00	0.49	0.24	0.63	

46. cap	1.76	2.00	1.94	0.32	0.38	0.43
47. car	4.18	4.00	3.94	0.78	1.00	0.93
48. carrott	1.53	1.65	1.88	0.51	0.49	0.74
49. cat	3.06	4.18	3.35	0.56	0.65	1.49
50. caterpillar	3.35	3.41	3.53	0.62	0.63	1.39
51. celery	3.47	3.06	3.06	1.76	1.43	1.18
52. chain	2.59	2.24	2.13	1.26	0.32	0.52
53. chair	1.82	2.71	2.00	0.40	0.35	0.88
54. cherry	1.12	1.41	1.76	0.11	0.26	0.94
55. chicken	3.12	3.35	3.35	0.86	0.87	0.99
56. chisel	2.65	2.59	2.56	0.62	0.38	1.33
57. church	4.12	3.94	3.47	0.61	0.43	0.76
58. cigar	2.12	1.53	2.29	0.86	0.51	0.97
59. cigarette	1.29	1.41	1.65	0.35	0.26	0.49
60. clock	2.65	3.18	2.65	0.62	0.90	0.87
61. clothespin	2.41	2.59	2.18	0.38	0.51	0.65
62. cloud	3.06	2.06	2.29	1.56	1.06	1.72
63. clown	4.53	4.59	4.29	1.14	0.51	0.85
64. coat	2.76	2.94	2.41	0.69	0.56	0.76
65. comb	1.88	2.18	1.94	0.99	0.90	0.68
66. corn	2.77	3.00	2.88	1.36	0.75	0.74
67. couch	2.50	2.76	2.41	0.67	0.32	0.51
68. cow	3.71	4.53	4.12	1.22	0.39	0.61
69. crown	3.53	3.53	3.41	1.51	1.14	1.51
70. cup	1.47	1.47	1.76	0.26	0.26	0.57
71. deer	4.18	4.12	4.12	0.40	0.49	0.86
72. desk	3.00	3.06	2.29	0.43	0.43	0.35
73. dog	3.29	3.59	3.18	0.47	0.88	0.90
74. doll	3.88	4.00	3.59	1.11	0.50	1.01
75. donkey	3.82	3.94	4.06	0.53	0.56	0.68
76. door	2.00	2.41	1.82	0.50	0.63	0.65
77. doorknob	2.65	2.41	2.29	0.99	0.26	0.60
78. dress	2.41	2.47	2.35	1.01	0.26	0.74
79. dresser	2.94	2.82	2.41	0.81	0.78	0.38
80. drum	2.24	3.06	3.00	0.57	0.43	1.00
81. duck	3.35	3.71	3.65	0.37	0.60	0.87
82. eagle	4.29	4.53	4.29	0.60	0.39	0.60
83. ear	3.12	3.47	3.29	0.61	0.76	1.72
84. elephant	4.24	4.12	3.82	1.07	0.61	1.28
85. envelope	1.12	1.47	1.29	0.11	0.26	0.35
86. eye	3.41	3.71	3.41	2.26	1.72	1.88
87. fence	2.35	2.35	2.12	1.12	0.62	0.61
88. finger	2.65	3.18	2.41	0.99	1.40	1.38
89. fish	3.24	3.65	3.53	0.44	0.74	1.01
90. flag	1.41	1.76	1.65	0.38	0.57	0.74
91. flower	2.29	2.94	2.71	0.85	1.18	1.22
92. flute	3.29	3.00	2.88	1.60	1.38	1.49
93. fly	3.71	4.29	3.94	0.60	0.47	0.68
94. foot	2.82	3.00	2.59	0.90	1.13	1.38
95. football	2.24	1.82	1.94	0.44	0.78	0.93
ออ. เบบเมสแ	2.27	1.02	1.34	0.44	0.70	0.33

96.	football helmet	2.94	3.12	3.24	0.93	1.24	1.19
97.	fork	1.35	1.59	1.47	0.37	0.51	0.64
98.	fox	3.82	4.00	4.06	0.65	0.63	0.68
99.	french horn	4.65	4.65	4.18	0.74	0.37	0.65
100.	frog	3.41	3.65	3.41	0.63	0.49	1.38
101.	frying pan	1.71	1.94	1.88	0.22	0.43	0.24
102.	garbage can	2.47	2.41	1.94	0.76	0.26	0.56
103.	girafe	3.94	4.00	3.88	0.68	0.75	1.11
104.	glass	1.12	1.18	1.06	0.11	0.15	0.06
105.	glasses	2.47	2.71	2.35	0.89	0.60	0.49
106.	gloves	2.12	2.53	2.41	0.36	0.64	0.51
107.	goat	3.59	4.00	4.00	0.38	0.50	0.63
108.	gorilla	4.18	3.94	3.88	0.65	0.68	0.74
109.	grapes	2.35	3.12	2.65	1.12	0.86	1.49
110.	grasshopper	4.47	4.65	4.35	0.26	0.24	1.12
111.	guitar	3.82	3.71	3.35	0.78	0.47	0.62
112.	gun	3.59	3.82	3.94	1.01	0.40	0.68
113.	hair	2.88	2.24	2.53	1.24	0.82	1.26
114.	hammer	2.47	2.53	2.29	0.39	0.64	0.60
115.	hand	2.94	3.53	3.06	0.93	1.01	1.68
116.	hanger	1.00	1.82	1.12	0.00	6.15	0.11
117.	harp	4.65	4.29	3.71	0.49	0.47	0.72
118.	hat	1.82	1.88	1.65	0.53	0.36	0.24
119.	heart	1.00	1.24	1.24	0.00	0.57	0.19
120.	helicopter	4.47	4.59	4.65	0.39	0.38	0.24
121.	horse	3.59	3.76	3.65	1.01	0.57	0.99
122.	house	3.41	4.00	3.24	0.51	0.63	1.69
123.	iron	3.53	3.41	3.06	0.39	0.88	1.31
124.	ironing board	2.12	2.29	2.19	0.74	0.60	0.16
125.	jacket	2.76	3.47	2.82	0.57	0.76	0.78
126.	kangaroo	4.41	4.24	4.06	0.51	0.44	0.56
127.	kettle	2.65	3.29	2.76	0.87	0.72	0.82
128.	key	2.29	2.65	2.06	0.47	0.74	0.81
129.	kite	2.53	3.24	3.00	1.14	0.69	1.38
130.	knife	1.12	1.41	1.47	0.11	0.38	0.39
131.	ladder	1.88	1.94	1.82	0.74	0.56	0.90
132.	lamp	2.00	2.18	2.24	0.25	0.53	1.07
133.	leaf	1.71	2.29	2.41	0.72	0.47	1.01
134.	leg	2.88	2.53	2.76	1.11	1.26	1.32
135.	lemon	1.12	1.06	1.41	0.24	0.06	1.01
136.	leopard	3.94	4.12	4.00	1.81	0.74	0.75
137.	lettuce	3.18	3.00	2.71	1.40	0.88	1.22
138.	light bulb	2.82	3.00	2.59	0.90	0.50	1.13
139.	light switch	2.47	2.65	2.47	0.26	0.74	0.64
140.	lion	3.94	4.24	4.12	0.93	0.44	0.49
141.	lips	1.53	2.18	2.24	0.39	1.28	2.07
142.	lobster	4.65	4.47	4.18	0.24	0.51	0.40
143.	lock	2.18	2.35	2.29	0.65	0.62	0.47
144.	mitten	1.88	1.47	1.71	0.49	0.26	0.35
145.	monkey	4.06	3.94	4.06	0.31	0.56	0.68

146.	moon	1.35	1.12	1.65	0.74	0.24	1.49
147.	motorcycle	4.82	4.88	4.53	0.15	0.11	0.64
148.	mountain	2.65	2.94	2.76	0.74	1.68	1.07
149.	mouse	3.47	3.76	3.41	0.39	1.07	1.26
150.	mushroom	2.59	2.71	2.59	0.63	0.72	0.76
151.	nail	1.35	1.06	1.29	0.37	0.06	0.35
152.	nail file	2.24	1.94	2.18	1.69	0.56	1.28
153.	necklace	1.82	2.65	1.35	0.53	9.87	0.37
154.	needle	1.88	1.06	1.41	1.11	0.06	0.38
155.	nose	2.06	3.12	2.47	1.68	1.36	1.51
156.	nut	2.65	2.12	1.88	0.49	0.61	1.36
157.	onion	1.88	1.88	2.29	0.99	0.99	1.35
158.	orange	1.12	1.29	1.00	0.24	0.47	0.00
159.	ostrich	4.18	3.94	3.88	0.53	0.81	0.61
160.	owl	4.24	4.53	4.19	0.57	0.51	0.56
161.	paintbrush	1.94	1.59	1.76	0.68	0.38	1.44
162.	pants	1.76	2.35	2.12	0.32	0.49	0.49
163.	peach	1.18	1.13	1.53	0.28	0.12	1.01
164.	peacock	4.29	4.71	4.47	0.47	0.22	0.39
165.	peanut	2.07	1.59	1.82	1.35	0.51	1.40
166.	pear	1.12	1.18	1.47	0.11	0.15	1.01
167.	pen	2.12	2.06	2.12	0.61	0.31	1.24
168.	pencil	1.35	1.47	1.76	0.37	0.76	0.82
169.	penguin	3.53	3.88	3.88	0.26	0.61	0.99
170.	pepper	2.18	4.00	2.29	1.03	30.25	0.47
171.	piano	4.82	4.59	4.06	0.15	0.38	1.31
172.	pig	3.76	3.76	3.82	0.57	0.69	0.65
173.	pineapple	3.18	3.29	3.00	1.65	1.22	1.13
174.	pipe	1.88	2.18	2.24	0.49	0.65	0.69
175.	pitcher	1.71	2.06	1.82	0.47	0.93	0.90
176.	pliers	2.59	2.47	2.24	0.63	0.51	0.44
177.	plug	2.59	2.82	2.65	1.26	0.40	0.49
178.	pocketbook	2.59	2.82	2.47	0.63	0.40	0.51
179.	pot	1.29	1.94	1.76	0.22	0.81	0.32
180.	potato	1.29	1.06	1.06	0.47	0.06	0.06
181.	pumpkin	2.00	2.06	2.53	0.63	0.31	1.14
182.	rabbit	3.06	3.47	3.41	0.31	0.89	1.26
183.	raccoon	4.29	4.24	4.12	0.47	0.44	0.61
184.	record player	4.35	4.29	3.94	0.49	0.47	0.81
185.	refrigerator	2.88	3.00	2.53	0.74	0.50	0.64
186.	rhinoceros	4.12	4.24	4.12	0.74	0.44	0.49
187.	ring	2.00	1.53	1.88	0.50	0.26	0.49
188.	rocking chair	3.71	3.82	3.00	0.72	0.65	1.00
189.	roller skate	4.29	4.12	3.65	0.47	0.74	1.24
190.	rolling pin	1.59	1.53	2.12	0.38	0.39	1.49
191.	rooster	3.82	4.35	4.12	0.90	0.37	0.74
192.	ruler	1.24	1.53	1.47	0.32	0.39	0.26
193.	sailboat	3.75	4.00	4.29	0.47	1.00	0.47
194.	saltshaker	2.65	2.53	2.35	1.12	0.26	0.49
195.	sandwich	2.94	3.00	2.65	0.81	0.63	1.12

196.	saw	1.88	2.12	2.18	0.49	0.36	0.40
197.	scissors	2.06	2.35	2.18	0.81	0.37	0.65
198.	screw	2.59	3.12	2.88	1.51	0.99	1.11
199.	screwdriver	2.24	1.88	2.24	0.69	0.49	0.69
200.	sea horse	4.47	4.47	4.53	0.39	0.39	0.26
201.	seal	3.41	3.06	3.06	1.13	1.06	1.43
202.	sheep	3.65	3.88	3.65	0.49	0.49	0.99
203.	shirt	2.76	3.06	2.35	0.69	0.43	0.62
204.	shoe	3.00	3.00	2.41	1.13	0.75	1.01
205.	skirt	1.06	1.71	1.65	0.06	0.72	0.49
206.	skunk	4.47	4.12	4.24	0.64	0.49	0.44
207.	sled	3.47	3.12	2.88	1.14	0.74	1.11
208.	snail	2.94	3.56	3.29	0.56	1.06	1.22
209.	snake	3.76	3.12	3.82	1.32	1.99	0.78
210.	snowman	2.06	2.76	2.18	0.93	0.69	0.90
211.	socks	1.35	1.94	1.81	0.24	0.43	0.56
212.	spider	3.35	4.12	3.94	1.62	0.49	0.68
213.	spinning wheel	4.76	4.00	3.82	0.32	0.50	1.03
214.	spool of thread	3.29	2.59	2.35	1.60	0.63	1.24
215.	spoon	1.06	1.41	1.06	0.06	0.26	0.06
216.	squirrel	3.47	4.06	4.06	0.51	0.81	0.56
217.	star	1.06	1.24	1.47	0.06	0.32	1.01
218.	stool	2.18	2.65	2.24	0.53	0.24	0.32
219.	stove	4.53	4.41	3.88	0.39	0.38	0.61
220.	strawberry	2.00	1.71	2.12	0.88	0.47	0.86
221.	suitcase	2.76	3.35	2.82	0.94	0.74	0.65
222.	sun	1.47	1.29	1.71	0.76	0.35	1.60
223.	swan	3.41	3.41	3.47	0.51	0.63	0.76
224.	sweater	2.41	2.24	2.18	0.88	0.57	0.65
225.	swing	2.24	2.82	1.76	1.07	24.78	0.32
226.	table	1.53	2.00	1.24	0.39	1.00	0.19
227.	telephone	3.18	3.29	3.06	1.03	0.35	0.68
228.	television	3.18	3.53	3.24	1.40	0.89	1.57
229.	tennis racket	2.88	2.47	2.35	0.86	0.51	0.37
230.	thimble	2.59	2.53	2.12	1.51	0.76	0.86
231.	thumb	2.59	2.76	2.29	1.13	1.82	1.47
232.	tie	2.47	2.24	1.94	1.01	1.07	0.43
233.	tiger	4.41	4.53	4.24	0.76	0.26	0.44
234.	toaster	3.00	3.35	3.06	0.63	0.62	0.31
235.	toe	2.12	2.24	2.18	0.86	1.07	1.53
236.	tomato	1.24	1.18	1.47	0.32	0.28	1.01
237.	toothbrush	1.65	1.53	1.41	0.37	0.26	0.51
238.	top	2.53	1.88	2.12	1.26	0.49	0.36
239.	traffic lights	4.00	3.53	3.06	0.50	0.39	0.81
240.	train	4.76	4.88	4.47	0.32	0.11	1.01
241.	tree	2.82	3.35	3.00	1.15	1.12	1.50
242.	truck	2.65	2.88	3.06	0.99	0.74	1.06
243.	trumpet	3.71	4.06	3.94	0.85	0.56	0.81
244.	turtle	3.47	4.12	3.94	0.26	0.61	1.06
245.	umbrella	2.59	3.00	2.41	0.76	0.88	0.51

246. vase	3.06	2.76	2.12	0.93	0.94	0.74
247. vest	2.47	2.94	2.82	0.51	0.68	1.28
248. violin	4.18	3.94	3.59	0.40	0.43	0.63
249. wagon	3.59	3.76	3.35	0.51	0.69	1.49
250. watch	3.24	3.06	2.65	0.94	0.81	0.99
251. waterir	ng can 2.29	3.06	2.65	0.72	0.68	0.87
252. waterm	nelon 1.94	1.71	2.24	1.06	0.47	1.07
253. well	4.24	4.24	3.71	0.44	0.57	0.97
254. wheel	2.59	2.47	2.18	0.88	0.89	0.65
255. whistle	2.76	2.94	2.65	1.44	0.81	1.24
256. windmi	II 4.29	4.29	4.06	0.72	0.72	0.93
257. windov	3.29	3.29	2.47	1.10	0.60	0.39
258. wine g	lass 1.41	1.53	1.35	0.26	0.51	0.37
259. wrench	1.82	1.88	2.18	0.65	0.36	1.15
260. zebra	4.18	4.29	4.00	0.78	0.47	0.50