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#104

9 Memorandum repty

11 31 December 30, 1940

MEMORANDUM FOR DR. THOMAS W. HARRELL.

SUBJECT: Report of Administration of Trial Form of Shop Mathematics Test at C.C.C. Camp No. 1391, December 30, 1940.

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Number 126

1. Lieutenant Sheridan, Camp Commander, stated that there were about 100 boys in the camp. However, only 57 boys were present to take the test; the rest left the camp when they learned that a test was to be given. Two of the 57 boys who did appear were illiterate and were excused. Lieutenant Sheridan expressed the opinion that most of the boys were quite dull in intelligence and would experience marked difficulty with a shop mathematics test.

2. Conditions under which the test was administered were quite poor. The lighting was very inadequate, the room was cold, and the noise from the adjoining kitchen was very distracting. Most of the boys appeared to have reached a limit after about 30 minutes. However, they were allowed to work for a full hour. Most of the boys began to leave after 40 minutes, and about 30 were still present at the end of the 60-minute period.

3. The group as a whole appeared to be quite young, and Lieutenant Sheridan stated that some of the boys were probably younger than seventeen years of age.

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10 David J. Chesler.


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**Source of Mathematics Items in General
Mechanical Aptitude Test, MA-1**

<u>Item</u>	<u>Source</u>
106	Form C, No. 13
107	1-b, No. 52
108	Shop Math, No. 47
109	1-b, No. 67
110	Shop Math., No. 10
111	1-b, No. 71
112	Shop Math., No. 15
113	Form C, No. 30
114	Form C, No. 32
115	Shop Mth., No. 9
116	Form C, No. 35
117	Shop Math., No. 6
118	Shop Math., No. 11
119	1-b, No. 90
120	Shop Math., No. 18
121	Shop Math., No. 17
122	1-b, No. 104
123	Shop Math., No. 58
124	Form C, No. 43
125	Shop Math., No. 30
126	Shop Math., No. 20
127	Shop Math., No. 44
128	Shop Math., No. 22
129	Shop Math., No. 42
130	Shop Math., No. 50
131	Shop Math., No. 41
132	Shop Math., No. 19
133	Shop Math., No. 49
134	Shop Math., No. 12
135	Shop Math., No. 23
136	Shop Math., No. 57
137	Shop Math., No. 39
138	Shop Math., No. 43
139	Shop Math., No. 46
140	Shop Math., No. 56
141	Shop Math., No. 64
142	Shop Math., No. 63
143	Shop Math., No. 45
144	Shop Math., No. 25
145	Shop Math., No. 35
146	1-a, No. 97
147	1-a, No. 98
148	1-a, No. 111
149	1-a, No. 113
150	1-a, No. 114

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CCC Co. 1391 - Shop Math Test Item Responses

<u>Rank</u>	<u>Item</u>	<u>Difficulty</u>	<u>Diff H-L</u>	<u>r</u>
1.	1	100	0	--
2.	2	100	0	--
3.	3	89	7	.25
4.	8	87	25	.80
5.	14	80	43	.80
6.	47	80	25	.56
7.	4	76	39	.76
8.	13	74	32	.60
9.	10	71	50	.80 plus
10.	15	70	47	.78
11.	38	70	27	.48
12.	9	69	31	.53
13.	6	65	24	.40
14.	7	65	24	.40
15.	16	62	35	.55
16.	11	59	31	.48
17.	28	59	39	.59
18.	5	58	45	.67
19.	17	58	27	.42
20.	33	57	38	.58
21.	78	57	-10	-.16
22.	84	56	-11	-.18
23.	18	55	49	.70
24.	20	55	34	.52
25.	58	54	60	.80 plus
26.	66	50	0	--
27.	22	49	31	.47
28.	48	47	67	.80
29.	77	46	7	.11
30.	30	45	38	.57
31.	49	45	31	.48
32.	44	44	31	.48
33.	41	43	42	.63
34.	50	43	35	.53
35.	19	42	45	.67
36.	61	42	30	.47
37.	51	41	31	.48
38.	42	40	12	.19
39.	32	38	23	.38
40.	43	38	20	.33
41.	12	37	23	.38
42.	57	35	40	.64
43.	60	33	20	.35

CCC Co. 1391 - Shop Math Test Responses

<u>Rank</u>	<u>Item</u>	<u>Difficulty</u>	<u>Diff H-L</u>	<u>r</u>
44.	76	31	19	.34
45.	21	30	30	.53
46.	23	30	8	.14
47.	29	30	23	.42
48.	63	30	34	.59
49.	80	30	-16	-.28
50.	81	30	10	.18
51.	40	28	19	.36
52.	54	28	28	.50
53.	24	26	9	.18
54.	56	26	24	.47
55.	68	26	7	.14
56.	31	25	-17	-.34
57.	39	25	19	.38
58.	46	25	26	.50
59.	25	23	22	.46
60.	64	23	19	.40
61.	70	23	-3	-.08
62.	67	21	7	.15
63.	26	19	-6	-.14
64.	45	19	14	.32
65.	85	19	-21	-.48
66.	27	17	19	.48
67.	36	17	19	.48
68.	79	17	31	.80
69.	83	16	-15	-.40
70.	37	15	-7	-.20
71.	32	14	3	.09
72.	34	13	4	.12
73.	53	13	7	.20
74.	65	12	6	.20
75.	35	11	15	.50
76.	55	11	4	.13
77.	72	11	2	.08
78.	74	11	16	.55
79.	75	11	-7	-.24
80.	71	10	-8	-.28
81.	62	9	1	--
82.	82	6	14	--
83.	59	4	-1	--
84.	73	3	7	--
85.	69	2	5	--