

มหาวิทยาลัยบูรพา
Burapha University

ภาคผนวก จ
ข้อมูลกลุ่มตัวอย่าง

ability	method	prert	premt	presom	precog	precon	posrt	posmt	possom	poscog	poscon	drt	dmt	dsom	dcog	dcon
1	1	.620	.200	24.29	26.00	26.00	.393	.188	21.43	20.00	26.00	-.23	-.01	-2.86	-6.00	.00
1	1	.589	.205	30.00	26.00	26.00	.387	.194	21.43	22.00	26.00	-.20	-.01	-8.57	-4.00	.00
1	1	.554	.240	15.71	24.00	26.00	.408	.240	15.71	20.00	32.00	-.15	.00	.00	-4.00	6.00
1	1	.580	.204	28.57	34.00	18.00	.373	.222	21.43	26.00	26.00	-.21	.02	-7.14	-8.00	8.00
1	1	.582	.183	30.00	32.00	20.00	.307	.259	21.43	22.00	20.00	-.27	.08	-8.57	-10.00	.00
1	1	.559	.199	31.43	32.00	14.00	.410	.196	18.57	24.00	24.00	-.15	.00	-12.86	-8.00	10.00
1	1	.549	.172	28.57	28.00	20.00	.347	.180	14.29	20.00	28.00	-.20	.01	-14.29	-8.00	8.00
1	1	.442	.256	31.43	36.00	18.00	.309	.245	12.86	24.00	30.00	-.13	-.01	-18.57	-12.00	12.00
1	2	.490	.195	24.29	30.00	36.00	.412	.193	21.43	28.00	36.00	-.08	.00	-2.86	-2.00	.00
1	2	.415	.250	27.14	34.00	32.00	.326	.259	25.71	32.00	32.00	-.09	.01	-1.43	-2.00	.00
1	2	.374	.200	25.71	26.00	18.00	.340	.206	24.29	26.00	20.00	-.03	.01	-1.43	.00	2.00
1	2	.505	.165	28.57	28.00	18.00	.466	.191	27.14	26.00	18.00	-.04	.03	-1.43	-2.00	.00
1	2	.589	.192	31.43	32.00	14.00	.554	.169	25.71	28.00	16.00	-.03	-.02	-5.71	-4.00	2.00
1	2	.540	.237	30.00	32.00	20.00	.555	.143	25.71	28.00	18.00	.02	-.09	-4.29	-4.00	-2.00
1	2	.507	.264	28.57	34.00	18.00	.498	.201	24.29	26.00	18.00	-.01	-.06	-4.29	-8.00	.00
1	2	.583	.184	15.71	24.00	26.00	.493	.194	17.14	22.00	26.00	-.09	.01	1.43	-2.00	.00
2	1	.593	.351	31.43	30.00	20.00	.527	.158	20.00	20.00	28.00	-.07	-.19	-11.43	-10.00	8.00
2	1	.429	.487	25.71	26.00	30.00	.355	.208	14.29	16.00	30.00	-.07	-.28	-11.43	-10.00	.00
2	1	.738	.168	27.14	26.00	26.00	.395	.189	15.71	12.00	30.00	-.34	.02	-11.43	-14.00	4.00
2	1	.677	.218	30.00	36.00	30.00	.380	.203	17.14	20.00	30.00	-.30	-.02	-12.86	-16.00	.00
2	1	.481	.407	35.71	40.00	16.00	.379	.221	15.71	18.00	28.00	.10	-.19	-20.00	-22.00	12.00
2	1	.604	.245	37.14	38.00	16.00	.413	.193	17.14	16.00	28.00	-.19	-.05	-20.00	-22.00	12.00
2	1	.487	.357	32.86	24.00	30.00	.379	.208	21.43	16.00	30.00	-.11	-.15	-11.43	-8.00	.00
2	1	.644	.188	25.71	28.00	26.00	.377	.136	20.00	22.00	20.00	-.27	-.05	-5.71	-6.00	-6.00
2	2	.448	.361	21.43	30.00	24.00	.459	.270	21.43	28.00	22.00	.01	-.09	.00	-2.00	-2.00
2	2	.578	.215	22.86	36.00	16.00	.499	.197	22.86	32.00	18.00	-.08	-.02	.00	-4.00	2.00
2	2	.536	.253	24.29	30.00	20.00	.482	.249	24.29	28.00	20.00	-.05	.00	.00	-2.00	.00
2	2	.427	.342	21.43	28.00	18.00	.375	.325	21.43	28.00	20.00	-.05	-.02	.00	.00	2.00
2	2	.677	.217	21.43	22.00	20.00	.343	.391	25.71	32.00	32.00	-.33	.17	4.29	10.00	12.00
2	2	.635	.256	18.57	24.00	24.00	.399	.413	20.00	26.00	24.00	-.24	.16	1.43	2.00	.00
2	2	.612	.278	14.29	20.00	28.00	.493	.308	25.71	22.00	30.00	-.12	.03	11.43	2.00	2.00
2	2	.504	.384	12.86	24.00	30.00	.469	.308	24.29	26.00	22.00	-.04	-.08	11.43	2.00	-8.00

ability = ความสามารถ ; 1=สายดำ, 2=สายเหลือง ; method = วิธีการ ; 1=ทดลอง, 2=ควบคุม ; d=คะแนนพัฒนา (posttest - pretest)