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Learners' competencies in new forms of assessment: A case study

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Table C2: Competency 2: Thinking and reasoning mathematically

	Tasks:	Towers of Hanoi									Thomas Saint's test and memo						Hide the Spies Investigation									Going Shopping			Cartesian Plane Exercise						Interpreting graphs exercises						Statistics exercise		
		b)			c)			h)			i)			a)			d)			b)			h)			i)			h)			d)			h)			a)			b)			h)		
L1	Cathrine	-1			-1			-1			-1			-1			-1			0			-1			0			1		-1			1			-1			-1			-1		
L2	Kristi			1			1			1	-1			-1			1				1		-1			-1			1			1			-1			1								1
	Ann			1		0		-1			-1				0		-1				1			1		-1			1								1						-1		
	Ruth			1	-1			-1					1	-1					1	-1			1			-1			1			1					0			-1					1
	Thandi	-1				0				1	-1			-1							1					1			1									1						-1		
	Sam	-1				0		-1			-1			-1			-1			1		-1			-1		1	-1			1		-1				0			0					1
L3	Kim			1			1			1			1			1			1	-1			0			1			0			1			1						-1				
	Lesley			1			1			1			1			1			1		0			0			0		1			1			1	-1					-1				
	Ana	-1				0		-1			-1					1			1	-1				1		0			1							-1									1
	Kathy			1			1			1			1	-1			-1			-1			-1			-1			1						1	-1					-1				
	Marie			1			1			1			1			1			1			1			-1			1									-1					-1				
	Thumi			1			1			1			1			1			1			1			1			1									-1									1
	Tessa			1			1			1			1		0			1	-1			-1				1		1																	1
	Pat			1			1			1			1		0			1	-1			-1						1														-1				
	Lee			1			1	-1					1	-1					1	-1			-1			-1			1														-1				
	Jane	-1				0				1			1	-1					1	-1			-1			-1			1			1			1	-1			-1						
	Candice			1			1			1			1	-1			-1			-1			-1			-1			1														-1				
	Tammy			1			1			1			1			1			1			1			1			1			1																1
	Nicky			1			1			1			1			1			1	-1				1		0			1								1									1
	Jacky			1			1			1			1	-1					1	-1				1		0			1			1				-1						-1				
	Laura			1		0				1			1			1			1			1		0			1						0												1
	Tatum			1			1			1			1		0		-1			1			1			1	-1			1																1
	Jessy			1			1			1			1			1			1			1			1			1			1			1												1
	Shana			1			1			1			1	-1					1	-1			-1			-1			1			1			1										
L4	Karen			1			1			1			1			1			1			1			1			1			1			1												1
	Juan			1			1			1			1			1			1			1			1			1			1			1												1
	Mandy			1			1			1			1			1			1			1			1			1			1			1												1
	Loren			1			1			1			1			1			1			1			1			1			1			1												1
	Peta			1			1			1			1			1			1			1			1			1			1	0		1												1
	TOTALS	5	0	24	2	6	21	6	0	23	6	0	23	11	4	14	7	0	22	12	2	15	10	3	16	11	6	12	2	1	26	1	1	18	5	1	14	7	2	19	7	1	20	11	0	17
				29			29			29			29			29			29			29			29			29			20			20			28			28			28		
	L1	100	0	0	100	0	0	100	0	0	100	0	0	100	0	0	100	0	0	0	100	0	100	0	0	0	100	0	0	0	100	100	0	0	0	0	100	100	0	0	100	0	0	100	0	0
	L2	40	0	60	20	60	20	60	0	40	80	0	20	80	20	0	60	0	40	20	0	80	40	0	60	80	0	20	20	0	80	0	0	100	67	0	33	0	40	60	20	20	60	40	0	60
	L3	11	0	89	0	17	83	11	0	89	6	0	94	33	17	50	17	0	83	61	6	33	39	17	44	39	28	33	6	6	89	0	0	100	9	9	82	35	0	65	29	0	71	47	0	53
	L4	0	0	100	0	0	100	0	0	100	0	0	100	0	0	100	0	0	100	0	0	100	0	0	100	0	0	100	0	0	100	0	20	80	40	0	60	0	0	100	0	0	100	0	0	100
	Group	17	0	83	7	21	72	21	0	79	21	0	79	38	14	48	24	0	76	41	7	52	34	10	55	38	21	41	7	3	90	5	5	90	25	5	70	25	7	68	25	4	71	39	0	61