

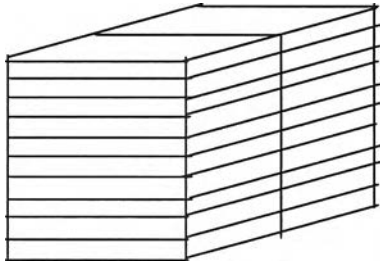
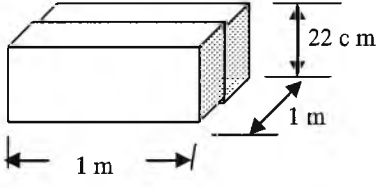
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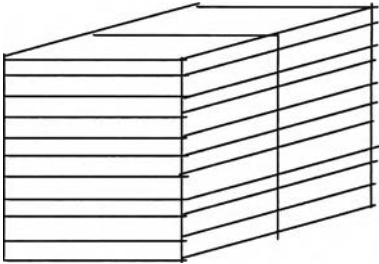
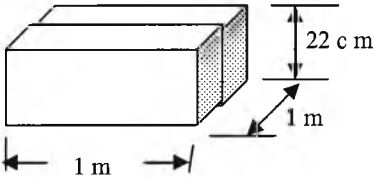
Appendix

The List of Overall Products and Space Requirement in the Warehouse

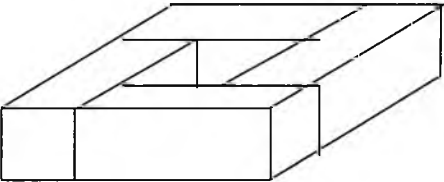
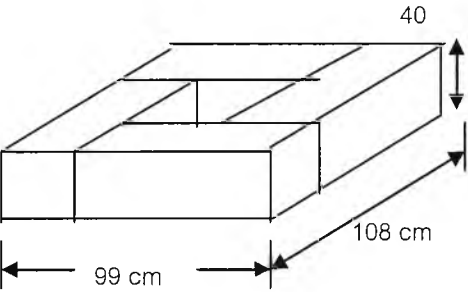
Name: Big home bottle (Blow Molding Room)

Date	Amount of Product (bag or box)						Month	Inlet frequency	Outlet frequency	Characteristic of stack
	Month									
	7	8	9	10	11	12				
1			3	39	3		8			
2			3	13	13		9			
3			3	36	13		10	15		6
4			3	36	13		11	15		9
5			3	36	13					
6			3	1						
7			3	1						
8			3	10					Size of Stack (width x length x high)	
9			3	27						
10			3		2					
11			3		21					
12			7	2	50					
13			3		77					
14			25	30	55					
15			1	51						
16			27	71					Amount of stack	
17			23						10 Levels	
18			50							
19				26						
20			13	26						
21			39	26						
22										
23										
24										
25										
26										
27			5							
28			26							
29			1							
30			18							
31										
Av	####	####	11.3	26.9	26	#####				

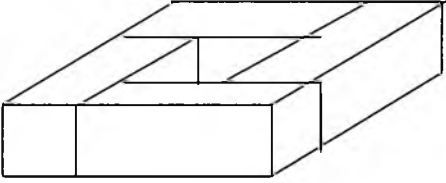
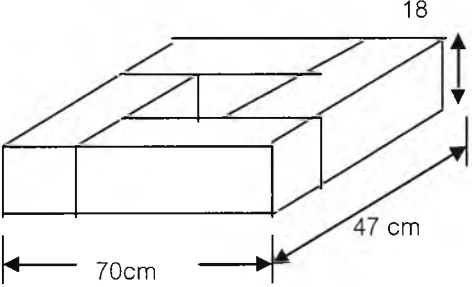
Name Middle Home bottle (blow molding room)

Date	Amount of Product (bag or box)						Month	Inlet frequency	Outlet frequency	Characteristic of stack
	7	8	9	10	11	12				
1	0	1	0	0			8	3	1	
2	0	1	0	6			9	0	1	
3	0	1	0	8			10	0	0	
4	0	1	0	19			11	6	1	
5	0	1	0	31						
6	0	1	0	14						
7	0	1	0	27						
8	0	1	0	27						
9	0	1	0	27						<p>Size of Stack (width x length x high)</p> 
10	0	1	0	0						
11	0	1	0	0						
12	0	1	0	0						
13	0	1	0	0						
14	0	1	0	0						
15	0	1	0	0						
16	0	1	0	0						
17	0	1	0	0						<p>Amount of stack</p> <p>10 Levels</p>
18	0	1	0	0						
19	5	0	0	0						
20	20	0	0	0						
21	1	0	0	0						
22	1	0	0	0						
23	1	0	0	0						
24	1	0	0	0						
25	1	0	0	0						
26	1	0	0	0						
27	1	0	0	0						
28	1	0	0	0						
29	1	0	0	0						
30	1	0	0	0						
31	1	0	0	0						
Av	1.16	0.58	0	5.13	####	#####				

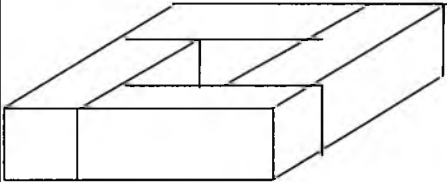
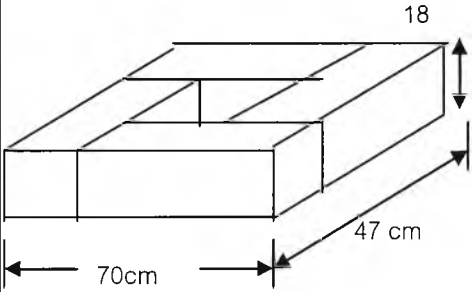
Name: Long Table Leg (Blow Molding Room)

Date	Amount of Product (bag or box)						Month	Inlet frequency	Outlet frequency	Characteristic of stack
	7	8	9	10	11	12				
1	0	2	17	53	0		8	9	2	
2	0	0	21	66	0		9	7	4	
3	0	0	4	82	0		10	15	8	
4	0	0	4	42	0		11	21	8	
5	0	0	4	49	0					
6	0	0	4	0	0					
7	0	0	4	13	0					
8	0	0	4	20	0					<p>Size of Stack (width x length x high)</p> 
9	0	0	4	34	0					
10	0	0	0	0	0					
11	0	0	0	0	0					
12	0	0	0	15	0					
13	0	0	0	27	14					
14	0	0	0	43	28					
15	0	0	0	59						
16	9	0	15	32						
17	20	0	30	0						Amount of stack
18	3	0	46	0						5 Levels
19	15	0	7	15						
20	18	0	7	31						
21	29	0	7	48						
22	40	0	0	0						
23	44	0	0	0						
24	53	0	0	0						
25	2	0	0	0						
26	2	12	0	0						
27	2	0	13	0						
28	2	5	20	0						
29	2	0	26	0						
30	2	0	37	0						
31	2	0		0						
Av	7.9	0.61	9.13	20.3	3	#####				

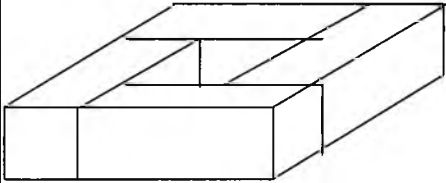
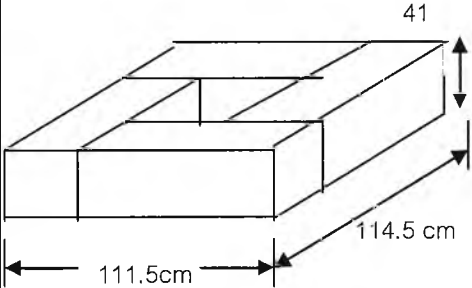
Name: Shorth Table Leg (Blow Molding Room)

Date	Amount of Product (bag or box)						Month	Inlet frequency	Outlet frequency	Characteristic of stack
	7	8	9	10	11	12				
1	0	0	23	0	61		8	4	2	
2	0	0	8	0	67		9	8	1	
3	0	0	17	3	73		10	16	17	
4	0	0	28	7	73		11	25	8	
5	0	0	6	16	73					
6	0	0	15	0	73					
7	0	0	25	9	73					
8	0	0	35	13	50					
9	0	0	48	10	50					<p>Size of Stack (width x length x high)</p> 
10	0	8	56	0	50					
11	0	8	45	0	50					
12	0	8	54	12	50					
13	0	13	59	24	50					
14	0	24	67	34	50					
15	0	36	77	45						
16	0	37	87	34						
17	36	37	91	0						Amount of stack
18	13	0	91	0						12 Levels
19	13	0	0	13						
20	19	0	0	25						
21	27	0	0	37						
22	36	7	0	0						
23	36	17	0	0						
24	36	23	0	0						
25	0	23	0	0						
26	0	23	0	12						
27	0	23	0	22						
28	0	23	0	22						
29	0	23	0	37						
30	0	23	0	47						
31	0	23		54						
Av	6.97	12.2	27.7	15.4	60.2	#####				

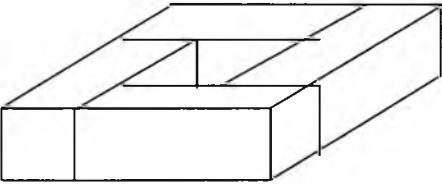
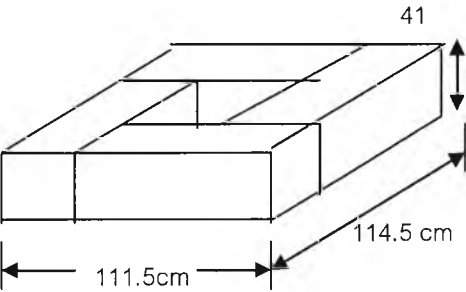
Name: Smooth Shorth Table Leg (Blow Molding Room)

Date	Amount of Product (bag or box)						Month	Inlet frequency	Outlet frequency	Characteristic of stack
	7	8	9	10	11	12				
1	0	13	0	74			8	1	2	
2	0	13	0	82			9	0	1	
3	0	13	0	87			10	10	0	
4	0	13	0	87			11	3	1	
5	0	13	0	87						
6	0	13	0	0						
7	0	13	0	0						
8	0	0	0	0						(width x length x high)
9	0	0	0	0						
10	0	0	0	0						
11	0	0	0	0						
12	0	0	0	0						
13	0	0	0	0						
14	0	0	0	0						
15	0	0	0	0						
16	9	0	0	0						
17	9	0	0	0						
18	20	0	0	0						12 Levels
19	20	0	0	0						
20	20	0	0	0						
21	20	0	0	0						
22	20	0	1	0						
23	20	0	5	0						
24	20	0	9	0						
25	13	0	18	0						
26	13	0	28	0						
27	13	0	46	0						
28	13	0	53	0						
29	13	0	61	0						
30	13	0	71	0						
31	13	0		0						
Av	8.03	2.94	9.73	13.5	####	#####				

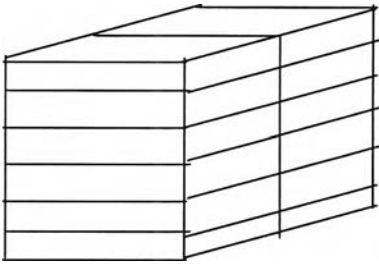
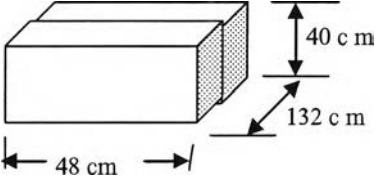
Name: Breeze Fresto R Bottle(Silk Room)

Date	Amount of Product (bag or box)						Month	Inlet frequency	Outlet frequency	Characteristic of stack	
	7	8	9	10	11	12					
1	0	187	0	0	0		8	9	0		
2	0	187	20	0	82		9	3	2		
3	0	187	105	0	82		10	4	2		
4	0	187	121	0	82		11	0	0		
5	0	187	128	0	82						
6	0	246	128	0	82						
7	0	246	128	0	0					Size of Stack	
8	0	99	128	0	0					(width x length x high)	
9	0	99	128	0	0						
10	0	101	31	0	0						
11	0	101	31	0	0						
12	0	101	31	0	0						
13	0	96	31	0	0						
14	0	96	0	0	0						
15	0	96	0	0	0						
16	0	96	0	0	0						
17	0	0	0	0	0						Amount of stack
18	71	0	0	0	0						6 Levels
19	96	0	0	0	0						
20	96	0	0	0	0						
21	96	0	0	0	0						
22	96	0	0	0	0						
23	103	0	0	0	0						
24	115	0	0	0	0						
25	115	0	0	0	0						
26	128	0	0	0	0						
27	128	0	0	0	0						
28	137	0	0	0	0						
29	137	0	0	0	0						
30	166	0	0	0	0						
31	187	0	0	0	0						
Av	53.9	74.6	33.7	0	29.3	#####					

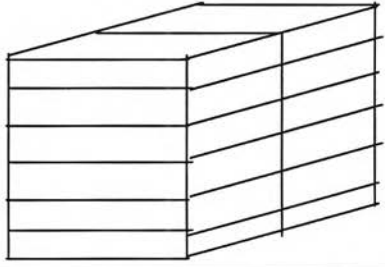
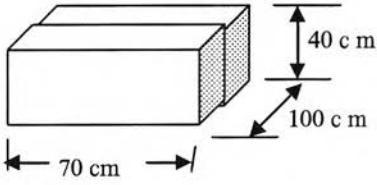
Name: Breeze Fresto N Bottle(Silk Room)

Date	Amount of Product (bag or box)						Month	Inlet frequency	Outlet frequency	Characteristic of stack
	7	8	9	10	11	12				
1	0	331	0	0	0		8	2	0	
2	0	331	0	0	0		9	2	5	
3	0	331	0	0	0		10	1	2	
4	0	331	0	0	0		11	0	0	
5	0	331	0	0	0					
6	0	356	0	0	0					
7	0	356	63	0	0					Size of Stack
8	0	356	88	0	0					(width x length x high)
9	0	284	88	0	0					
10	0	352	88	0	0					
11	0	352	88	0	0					
12	0	352	88	0	0					
13	0	352	88	0	0					
14	0	275	20	0	0					
15	0	275	20	0	0					
16	0	275	20	0	0					
17	297	67	53	0						Amount of stack
18	297	143	53	0						6 Levels
19	331	143	53	0						
20	331	143	53	0						
21	331	143	53	0						
22	331	143	0	0						
23	331	143	0	0						
24	331	143	0	0						
25	331	143	0	0						
26	331	143	0	0						
27	331	143	0	0						
28	331	143	0	0						
29	331	0	0	0						
30	331	0	0	0						
31	331	0		0						
Av	158	222	30.5	0	0	#####				

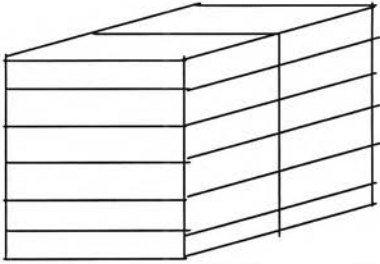
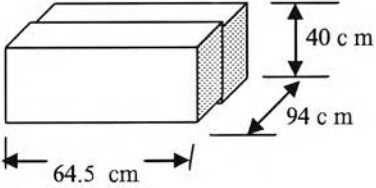
Name : Lever Cup (Injection Molding Room)

Date	Amount of Product (bag or box)						Month	Inlet frequency	Outlet frequency	Characteristic of stack
	7	8	9	10	11	12				
1				52	26		8	8	1	
2				52	26		9	1	1	
3				52	26		10	9	1	
4				52	26		11	5	3	
5				52	26					
6				0	26					
7				0	26					
8				0	26					<p>Size of Stack (width x length x high)</p> 
9				0	26					
10				0	26					
11				0	26					
12				0	26					
13		5		0	26					
14		5		0	26					
15		5		0	26					
16		5		0						
17		5		0						<p>Amount of stack 6 Levels</p>
18		5		0						
19	2	5		0						
20	4	5	9	0						
21	6	5	8	0						
22	7	5	17	0						
23	10	5	26	0						
24	11	5	34	0						
25	10	5	44	8						
26	15	5	54	23						
27	10	5	57	26						
28	16	0	0	26						
29	0	0	0	26						
30	0	0	0	26						
31	0	0		26						
Av	7	3.95	22.6	13.6	26	#####				

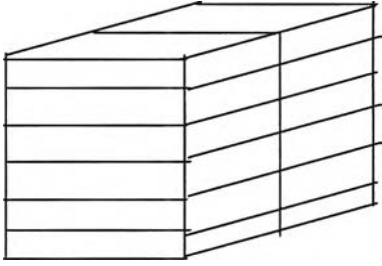
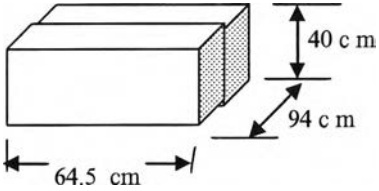
Name: Lever Spoon (Injection Molding Room)

Date	Amount of Product (bag or box)						Month	Inlet frequency	Outlet frequency	Characteristic of stack	
	7	8	9	10	11	12					
1	0	0	58	48	0		8	2	1		
2	0	0	76	62	0		9	18	12		
3	0	0	81	22	2		10	30	12		
4	0	0	93	38	16		11	13	4		
5	0	0	87	53	37						
6	0	0	107	15	58						
7	0	23	107	34	58						Size of Stack
8	0	18	125	13	77					(width x length x high)	
9	0	18	142	32	101						
10	0	18	10	49	125						
11	0	0	0	67	148						
12	0	0	17	81	171						
13	0	0	0	0	140						
14	0	0	13	0	140						
15	0	0	31	0							
16	0	0	48	0							
17	0	6	25	0							Amount of stack
18	33	0	43	0							6 Levels
19	45	9	0	0							
20	0	0	17	0							
21	0	0	34	0							
22	0	0	17	0							
23	0	0	35	0							
24	0	9	51	0							
25	0	32	29	0							
26	0	52	7	0							
27	0	54	24	0							
28	0	35	2	0							
29	0	57	20	0							
30	0	38	36	0							
31	0	38		0							
Av	2.52	13.1	44.5	16.6	76.6	#####					

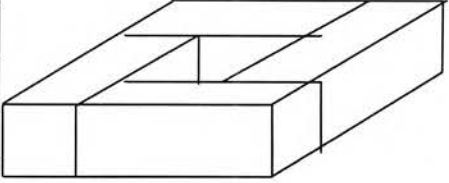
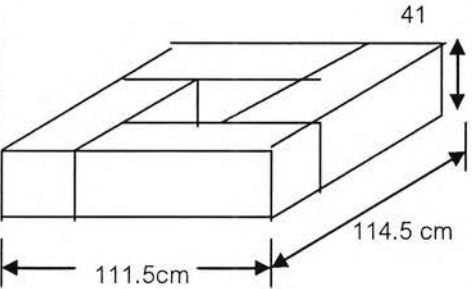
Name: Cusson Shampoo Bottle 50ML (Blow Molding Room)

Date	Amount of Product (bag or box)						Month	Inlet frequency	Outlet frequency	Characteristic of stack
	Month									
	7	8	9	10	11	12				
1			0	0	29		8			
2			0	0	29		9			
3			0	0	29		10	5		4
4			0	0	29		11	15		3
5			0	0	29					
6			0	0	29					
7			0	0	29					
8			0	2	29					
9			0	11						
10			0	0						
11			0	11						
12			0	5						
13			0	12						
14			0	23						
15			0	31						
16			0	40						
17			0	45						
18			0	45						
19			0	45						
20			0	20						
21			0	26						
22			0	26						
23			11	26						
24			0	26						
25			0	27						
26			0	34						
27			0	45						
28			0	45						
29			0	51						
30			0	54						
31				54						
Av	####	####	0.37	22.7	29	#####			6 Levels	

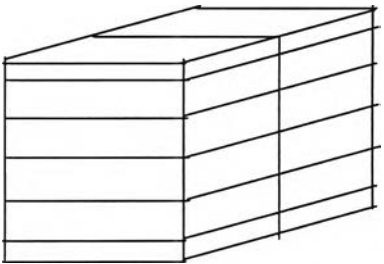
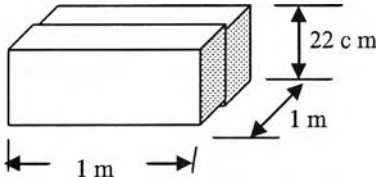
Name: Shower Cream Bottle 150 ML (Blow Molding Room)

Date	Amount of Product (bag or box)						Month	Inlet frequency	Outlet frequency	Characteristic of stack
	7	8	9	10	11	12				
1		0	0	0	140		8	1	0	
2		46	0	0	140		9	3	0	
3		49	0	0	49		10	0	0	
4		49	0	0	49		11	7	1	
5		49	0	0	49					
6		49	0	0	8					
7		49	0	0	0					
8		49	0	0	8					<p>Size of Stack (width x length x high)</p>
9		49	0	0	0					
10		49	0	0	22					
11		49	0	0	23					
12		49	0	0	20					
13		49	0	0	10					
14		49	0	0	5					
15		49	0	0						
16	148	49	0	0						
17	148	49	0	0						<p>Amount of stack</p>
18	148	49	0	0						
19	148	49	0	0						<p>6 Levels</p>
20	148	49	0	0						
21	148	49	0	0						
22	148	49	0	0						
23	148	49	0	53						
24	148	49	0	7						
25	148	0	0	37						
26	148	0	0	59						
27	148	0	0	90						
28	148	0	0	90						
29	148	0	0	101						
30	148	0	0	115						
31	156	0		132						
Av	149	36.3	0	22.1	37.4	#####				

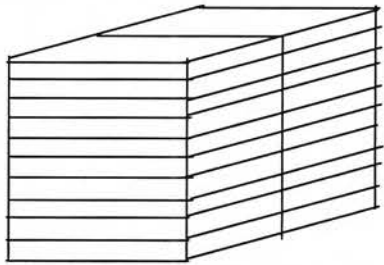
Name: Shower Cream Bottle 600 ML (Blow Molding Room)

Date	Amount of Product (bag or box)						Month	Inlet frequency	Outlet frequency	Characteristic of stack
	Month									
	7	8	9	10	11	12				
1			0	0	39		8			
2			0	0	39		9			
3			0	0	39		10	6		4
4			0	0	39		11	6		3
5			0	0	39					
6			0	0	39					
7			0	0	39				Size of Stack	
8			0	0	39				(width x length x high)	
9			0	0	39					
10			0	0	39					
11			0	0	39					
12			0	0	39					
13			0	0	39					
14			0	0	39					
15			0	0	0					
16			0	0	0					
17			0	0	0					Amount of stack
18			0	0	0				6 Levels	
19			0	0	0					
20			0	0	0					
21			0	24	0					
22			0	0	0					
23			21	0	0					
24			0	29	0					
25			0	38	0					
26			25	40	0					
27			32	40	0					
28			0	40	0					
29			0	0	0					
30			0	0	0					
31			0	0	0					
Av	####	####	2.52	6.81	17.6	#####				

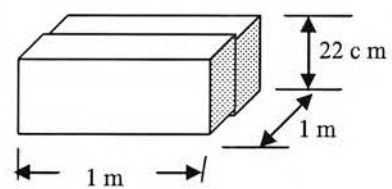
Name: Umee Cup (Injection Molding Room)

Date	Amount of Product (bag or box)						Month	Inlet frequency	Outlet frequency	Characteristic of stack
	Month									
	7	8	9	10	11	12				
1			69	0	0		8	11	4	
2			143	75	113		9	23	9	
3			19	0	189		10	30	16	
4			96	0	261		11	29	16	
5			92	0	362					
6			0	64	1					
7		2	0	138	57					Size of Stack (width x length x high)
8		33	86	3	0					
9		5	193	0	61					
10		15	0	0	104					
11		15	0	106	156					
12		15	104	210	229					
13		74	0	0	0					
14		22	0	94	72					
15		15	98	0						
16		65	200	111						
17	61	0	0	0						Amount of stack
18	1	63	0	0						6 Levels
19	50	121	0	82						
20	53	0	94	185						
21	115	69	0	29						
22	164	0	92	62						
23	0	70	186	0						
24	69	0	0	0						
25	0	0	0	0						
26	61	0	101	67						
27	0	0	0	141						
28		60	0	141						
29		0	48	0						
30		69	109	0						
31		0		100						
Av	52.2	28.5	57.7	51.9	115	#####				

Name: Umee Champ Cover (Injection Molding Room)

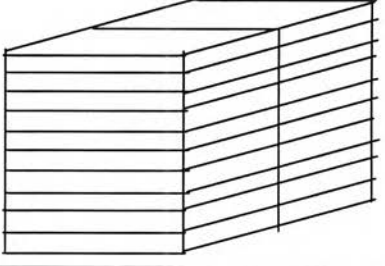
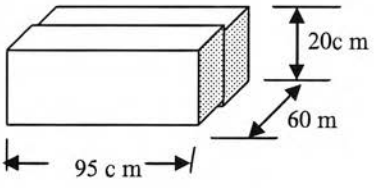
Date	Amount of Product (bag or box)						Month	Inlet frequency	Outlet frequency	Characteristic of stack
	7	8	9	10	11	12				
1		0	11	0	0		8			
2		0	24	55	25		9	14		8
3		0	12	0	49		10	29		15
4		0	12	0	66		11	29		15
5		0	0	2	85					
6		0	0	12	0					
7		0	0	23	27					
8		0	25	0	0					
9		0	53	0	27					
10		0	2	0	51					
11		0	2	11	69					
12		0	37	39	94					
13		0	0	0	0					
14		0	0	11	26					
15		0	28	0						
16		14	65	9						
17		0	0	0						
18		15	0	0						
19		29	0	9						
20		0	11	43						
21		16	0	61						
22		0	22	0						
23		17	33	0						
24		11	8	0						
25		11	0	0						
26		11	11	16						
27		0	0	33						
28		26	0	0						
29		12	9	0						
30		23	20	0						
31		0		17						
Av	####	5.97	12.8	11	37.1	#####				

Size of Stack
(width x length x high)

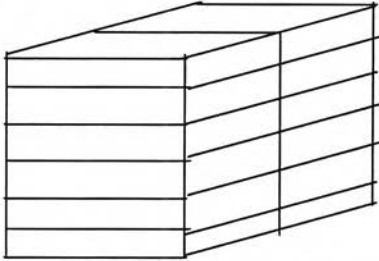
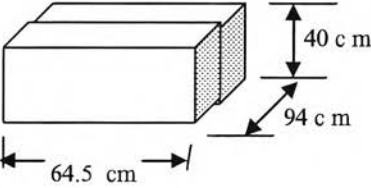


Amount of stack
6 Levels

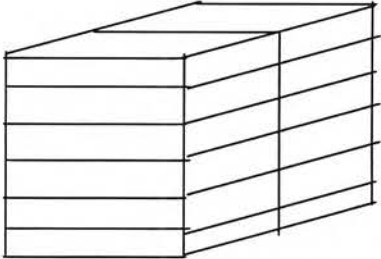
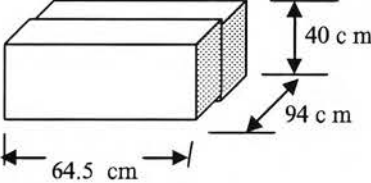
Name: Veva Bottle 1000ML

Date	Amount of Product (bag or box)						Month	Inlet frequency	Outlet frequency	Characteristic of stack
	7	8	9	10	11	12				
1		56	1	0	13		8	14	1	
2		56	1	0	13		9	0	1	
3		56	7	0	13		10	3	1	
4		56	32	0	13		11	5	5	
5		56	0	0	13					
6		56	0	0	13					
7		56	0	0	13					
8		56	0	0	13					Size of Stack (width x length x high)
9		56	0	0	13					
10		56	0	0	13					
11		56	0	0	13					
12		56	0	0	13					
13		56	0	0	13					
14		0	0	0						
15		0	0	0						
16	35	0	0	0						Amount of stack
17	47	0	0	0						11 Levels
18	51	0	0	0						
19	55	0	0	0						
20	62	0	0	0						
21	68	0	0	0						
22		0	0	0						
23		0	0	0						
24		1	0	0						
25		1	0	0						
26		1	0	0						
27		1	0	0						
28		1	0	0						
29		1	0	0						
30		1	0	0						
31			0	0						
Av	53	24.5	1.32	0	13	#####				

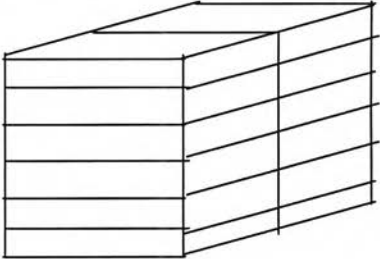
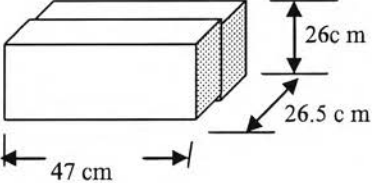
Name: Clock Mirror and Clock Plate (Injection Molding Room)

Date	Amount of Product (bag or box)						Month	Inlet frequency	Outlet frequency	Characteristic of stack
	Month									
	7	8	9	10	11	12				
1		53	0	0			7	0	0	
2		53	0	0			8	0	1	
3		53	0	0			9	2	2	
4		53	0	0			10	5	1	
5		53	0	0			11	2	1	
6		53	0	0	31					
7		53	31	0						<p>Size of Stack (width x legh x high)</p>
8		53	0	0						
9		61	0	8						
10		82	0	21						
11		82	0	0						
12		104	0	22						
13		146	0	42						
14		0	0							
15		0	0							<p>Amount of stack</p>
16	33	0	0							
17	33	0	0							<p>6 Levels</p>
18	33	0	0							
19	33	0	0							
20	33	0	0							
21	33	0	0							
22	33	0	0							
23	33	0	0							
24	33	0	0							
25	63	0	0							
26	53	0	0							
27	53	0	0							
28	53	0	0							
29	53	0	0							
30	53	0	0							
31	0	0								
Av	39.1	29	1.03	7.15	31	#####				

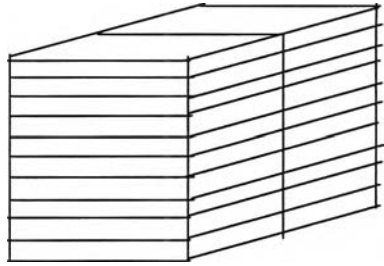
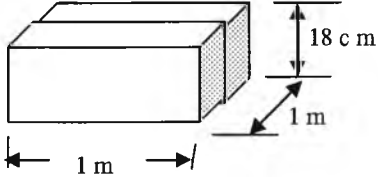
Name: Clock Plate (Injecton Molding Room)

Date	Amount of Product (bag or box)						Month	Inlet frequency	Outlet frequency	Characteristic of stack
	Month									
	7	8	9	10	11	12				
1					8		8			
2					25		9			
3					25		10			
4							11	3 3		
5										
6										
7										
8									Size of Stack (width x length x high)	
9										
10										
11										
12										
13										
14										
15										
16									Amount of stack	
17									6 Levels	
18										
19										
20					5					
21					43					
22					26					
23					26					
24					26					
25					26					
26					26					
27					26					
28					26					
29					26					
30					13					
31					0					
Av	####	####	####	22.4	19.3	#####				

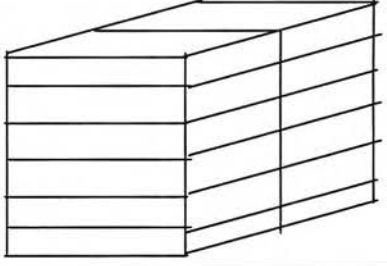
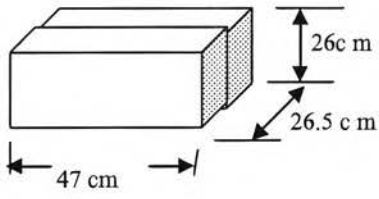
Name: Toothpate Cover

Date	Amount of Product (bag or box)						Month	Inlet frequency	Outlet frequency	Characteristic of stack	
	7	8	9	10	11	12					
1		0	6	31	0		7	0	1		
2		0	20	38	0		8	4	1		
3		0	0	0	0		9	28	10		
4		0	12	11	0		10	17	4		
5		0	0	25	0		11	8	2		
6		0	13	0	0						
7		2	25	12	5					Size of Stack	
8		0	5	10	26					(width x length x high)	
9		0	15	22	15						
10		0	26	32	25						
11		0	0	44	35						
12		0	12	56	0						
13		0	0	68	0						
14		0	8	80	12						
15		0	20	90							
16	2	0	20	102							
17	2	0	0	0							Amount of stack
18	2	0	12	0							8 Levels
19	2	0	23	0							
20	2	0	35	0							
21	2	0	0	0							
22	2	0	7	0							
23	2	0	10	0							
24	2	0	24	0							
25	2	0	0	0							
26	2	0	14	0							
27	2	0	28	0							
28	0	0	2	0							
29	0	0	14	0							
30	0	0	24	0							
31	0	0		0							
Av	1.5	0.06	12.5	20	8.43	#####					

Name: PE Cup (Injection Molding Room)

Date	Amount of Product (bag or box)						Month	Inlet frequency	Outlet frequency	Characteristic of stack
	7	8	9	10	11	12				
1	0	8	19	195	354		7	13	3	
2	0	29	19	195	354		8	16	30	
3	0	45	54	195	375		9	11	2	
4	0	57	54	195	375		10			
5	0	57	54	195	375		11			
6	0	62	74	220	375					
7	0	12	2	220	375					Size of Stack
8	0	88	27	245	375					(width x length x high)
9	0	103	26	245	375					
10	0	117	26	245	375					
11	0	131	79	245	375					
12	0	131	104	245	375					
13	0	154	4	245	375					
14	0	175	29	245	375					
15	0	176	29	245						
16	65	0	54	267						
17	82	0	54	267						Amount of stack
18	100	0	84	267						9 Levels
19	34	0	84	267						
20	51	0	84	292						
21	69	0	114	292						
22	78	0	114	292						
23	96	15	114	292						
24	0	15	114	292						
25	18	15	114	354						
26	36	47	114	354						
27	41	47	114	354						
28	60	92	114	354						
29	74	92	195	354						
30	74	119	195	354						
31	0	19		354						
Av	28.3	58.3	75.4	270	372	#####				

Name: Avon Refill Powder Container (Injection Molding Room)

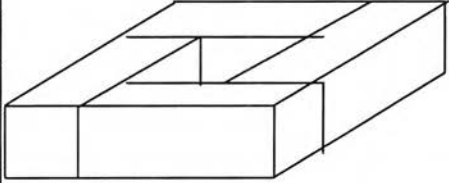
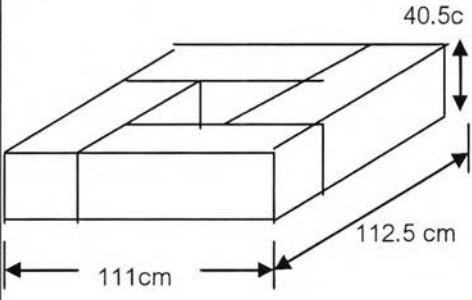
Date	Amount of Product (bag or box)						Month	Inlet frequency	Outlet frequency	Characteristic of stack
	Month									
	7	8	9	10	11	12				
1					56		8			
2					0		9			
3					15		10	10		3
4					15		11	3		2
5					15					
6					0					
7					0					
8					0					
9										<p>Size of Stack (width x length x high)</p> 
10										
11										
12										
13										
14										
15										
16										
17										Amount of stack
18										8 Levels
19										
20					6					
21					17					
22					41					
23					41					
24					6					
25					23					
26					0					
27					18					
28					18					
29					0					
30					19					
31					38					
Av	####	####	####	18.9	12.6	#####				



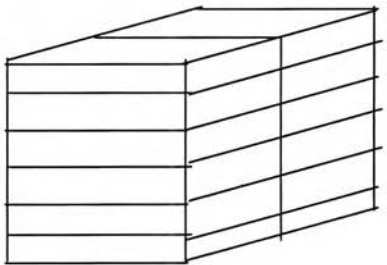
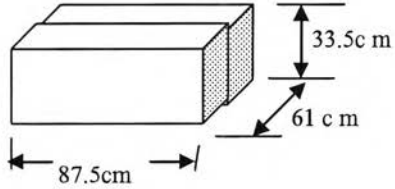
Name King Stala V1 Bottle (Blow Molding Room)

Date	Amount of Product (bag or box)						Month	Inlet frequency	Outlet frequency	Characteristic of stack
	Month									
	7	8	9	10	11	12				
1					50		8			
2					50		9			
3					50		10			
4					50		11	0 1		
5					50					
6					50					
7					50					
8					50					
9					50					
10					50					
11										
12										
13										
14										
15										
16										
17									Amount of stack	
18				14					10 Levels	
19				57						
20				50						
21				50						
22				50						
23				50						
24				50						
25				50						
26				50						
27				50						
28				50						
29				50						
30				50						
31				50						
Av	####	####	####	47.9	50	#####				

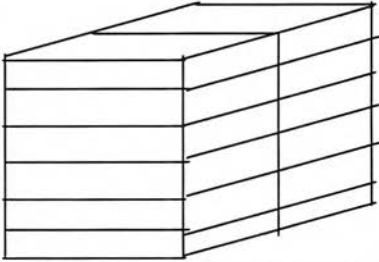
Name : Coditioning Bottle (Blow Molding Room)

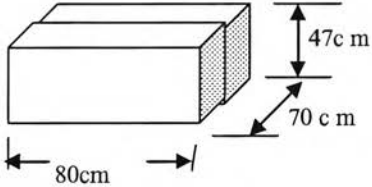
Date	Amont of Product (bag or box)						Month	Inlet frequency	Outlet frequency	Characteristic of stack
	Month									
	7	8	9	10	11	12				
1				14			8			
2				0	5		9			
3				9	6		10	18		8
4				0	6		11	3		0
5				0	6					
6				0	6					
7				16	6					
8			12	0	6				Size of Stack (width x legth x high)	
9			22	0	6					
10			31		33					
11			31		33					
12			31		33					
13			31		33					
14			35		33					
15			51							
16			51						Amount of stack	
17			51						7 Levels	
18			0							
19			13							
20			47							
21			0							
22			0							
23			23							
24			0							
25			0							
26			0							
27			0							
28			26							
29			0							
30			14							
31										
Av	####	####	20.4	4.33	16.3	#####				

Name: Sance Sao Bottle 200ML (Blow Molding Room)

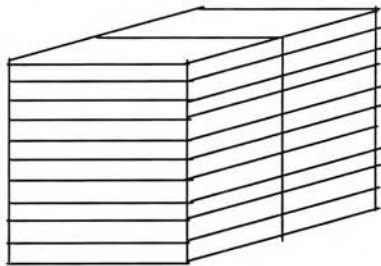
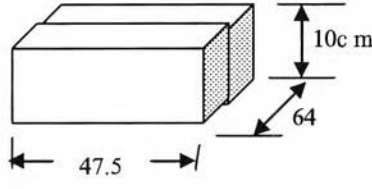
Date	Amount of Product (bag or box)						Month	Inlet frequency	Outlet frequency	Characteristic of stack
	Month									
	7	8	9	10	11	12				
1				27			8			
2				27			9			
3				27			10	1 0		
4				27			11			
5				27						
6				27						
7				27						
8				27					Size of Stack (width x legh x high)	
9				27						
10				27						
11				27						
12				27						
13				27						
14				27						
15										
16									Amount of stack	
17									7 Levels	
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30			13							
31			16							
Av	####	####	14.5	27	####	#####				

Name Baby Milk Bottle 8 ounce (Blow Molding Room)

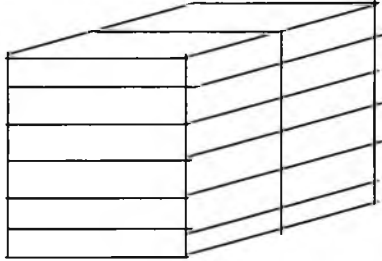
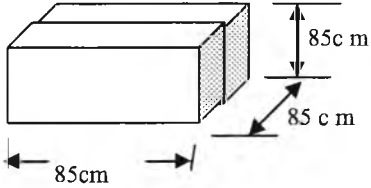
Date	Amount of Product (bag or box)						Month	Inlet frequency	Outlet frequency	Characteristic of stack
	7	8	9	10	11	12				
1		17	17	0	4		8			
2		17	17	0	2		9			
3		17	3	0	2		10	3		3
4		17	11	0	3		11	3		2
5		17	32	0	3					
6		17	51	0	3					
7		17	1	0	3					
8		17	1	0	3					
9		17	1	0	3					
10		17	1	0	3					
11		17	1	0	3					
12		17	1	0	3					
13		17	1	0	3					
14		17	1	0	3					
15		17	1	0						
16	17	17	1	0						
17	17	17	1	0					Amount of stack	
18	17	17	1	0					6 Levels	
19	17	17	0	0						
20	17	17	0	0						
21	17	17	0	0						
22	17	17	0	0						
23	17	17	0	0						
24	17	17	0	0						
25	17	17	0	0						
26	17	17	0	0						
27	17	17	0	0						
28	17	17	0							
29	17	17	0	0						
30	17	17	0	0						
31	17	17	0	0						
Av	17	17	4.61	0	2.93	#####				



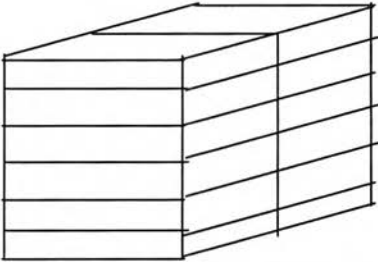
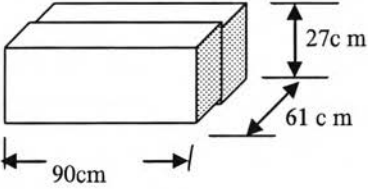
Name: Short Slim Bottle (Blow Molding Room)

Date	Amount of Product (bag or box)						Month	Inlet frequency	Outlet frequency	Characteristic of stack
	Month									
	7	8	9	10	11	12				
1							8			
2							9			
3							10			
4							11	2 0		
5					19					
6					24					
7					24				Size of Stack (width x length x high)	
8					24					
9					24					
10					24					
11					24					
12					24					
13					24					
14					24					
15										
16										
17									Amount of stack	
18									18 Levels	
19										
20										
21										
22										
23										
24										
25										
26										
27										
28										
29										
30										
31										
Av	####	####	####	####	23.5	#####				

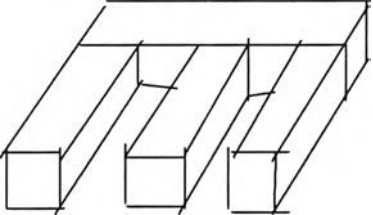
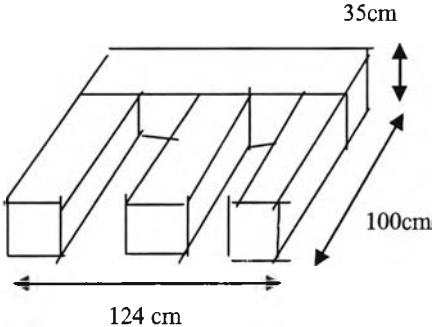
Name: Ball (Blow Molding Room)

Date	Amount of Product (bag or box)						Month	Inlet frequency	Outlet frequency	Characteristic of stack
	7	8	9	10	11	12				
1							8			
2							9	14	4	
3			3		16		10			
4			18		38		11	10	4	
5			31		33					
6			39		17					
7			42		38					
8			60		16					
9			79		37					
10			76		56					
11					60					
12					65					
13										
14										
15										
16										
17										
18										
19										
20										
21			6							
22			27							
23			16							
24										
25			25							
26										
27										
28										
29										
30										
31										
Av	####	####	35.2	####	37.6	#####				6 Levels

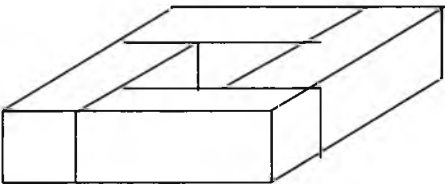
Name: Dish Wash Solution Bottle (Blow Molding Room)

Date	Amount of Product (bag or box)						Month	Inlet frequency	Outlet frequency	Characteristic of stack
	Month									
	7	8	9	10	11	12				
1				111			8			
2				2			9			
3				53			10	6 4		
4							11	16 7		
5										
6				38						
7				95						
8				153					Size of Stack (width x length x high)	
9				212						
10				0						
11				5						
12				63	33					
13				56	88					
14				106	21					
15										
16									Amount of stack	
17									10 Levels	
18										
19										
20										
21										
22										
23										
24										
25										
26										
27										
28				46						
29										
30				52						
31										
Av	####	####	49	74.5	47.3	#####				

Name: Cusson Baby Powder Bottle 50 g (Blow Molding Room)

Date	Amount of Product (bag or box)						Month	Inlet frequency	Outlet frequency	Characteristic of stack
	7	8	9	10	11	12				
1				382			8	0	1	
2			39	419	12		9	25	23	
3			11	455	18		10	30	17	
4			8	491	18		11	20	4	
5		13	5	526	18					
6				565	18					
7				594	18					
8				324	58					Size of Stack (width x length x high)
9			39							
10		17								
11		13								
12		13								
13					36					
14					36					
15										
16	10									
17	10									Amount of stack
18	10									8 Levels
19	10	38	12							
20	10									
21	10									
22	10		40							
23	10		80							
24	10		116							
25	10		157							
26	10		196							
27	10		234							
28	10		273							
29	10		310							
30	10		344							
31	10									
Av	10	18.8	124	470	25.8	#####				

Name: Cusson Baby Powder 500 g (Blow Molding Room)

Date	Amount of Product (bag or box)						Month	Inlet frequency	Outlet frequency	Characteristic of stack
	Month									
	7	8	9	10	11	12				
1					219		8	5	5	
2			13		71		9	9	4	
3			223		61		10	18	11	
4			294	88	168		11	20	13	
5			406	196	121					
6		20	518	67	238					
7		20	392	176	238					
8		20	300	49	27					
9		20	414	159	391					
10		20	282	251						
11		20		0						
12		20		25	219					
13		20			88					
14		20								
15		0								
16	762	65								
17	456	5								
18	546	109								
19	688	222								
20	298	269								
21	313	269	92							
22	313	269	31							
23	313	269	70							
24	137	269	39	707						
25	137	269	30	591						
26	137	269	30	351						
27	137	269	30	21						
28		269	60	21						
29		270	7	21						
30		270	110	21						
31		382		131						
Av	353	151	176	169	167	#####				6 Levels



Biography

Kamonrat Kamonpatana was born on September 12th, 1977 in Bangkok, Thailand. She graduated from Suranaree University of Technology in 1999 with Bachelor Degree in Industrial Engineering. In 2000, she studied in the Master Degree of Engineering Management at The Regional Centre for Manufacturing Systems Engineering, Faculty of Engineering, Chulalongkorn University and University of Warwick.