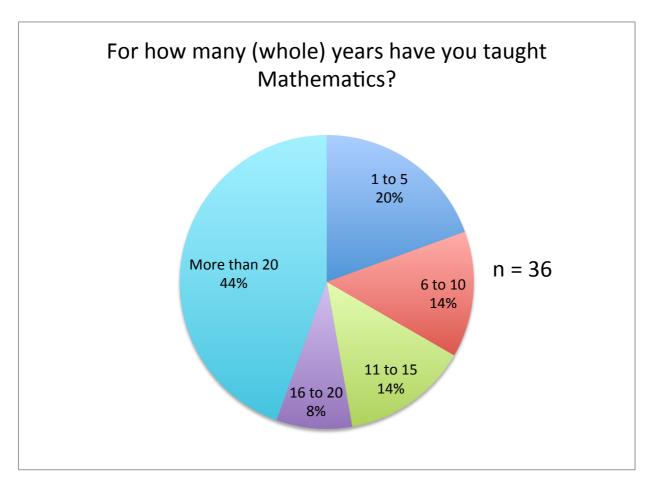
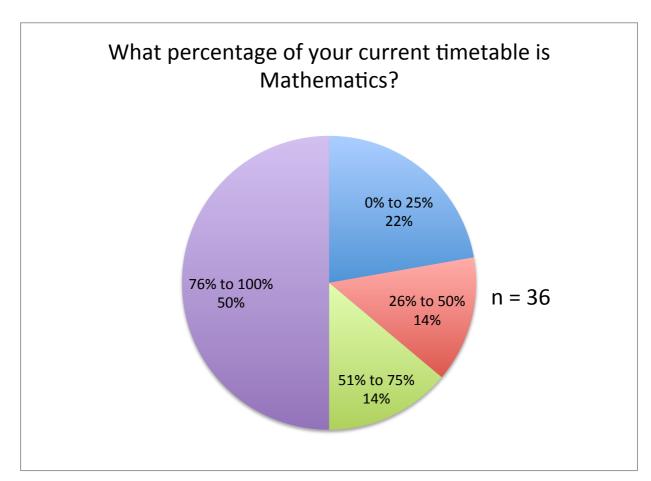
Question 2a

For how many (whole) years have you taught Mathematics? $n = 36$	TOTALS	%
1 to 5	7	19.4%
6 to 10	5	13.9%
11 to 15	5	13.9%
16 to 20	3	8.3%
More than 20	16	44.4%
Total	36	99.9%



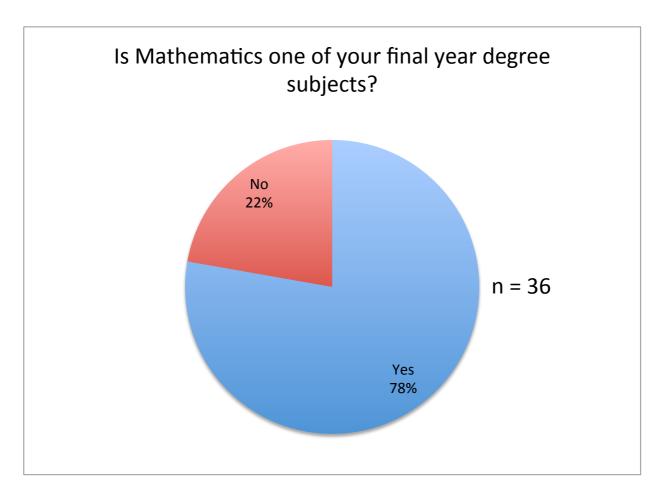
Question 2b

What percentage of your current timetable is Mathematics? $n = 36$	TOTALS	%
0% to 25%	8	22.2%
26% to 50%	5	13.9%
51% to 75%	5	13.9%
76% to 100%	18	50.0%
Total	36	100.0%



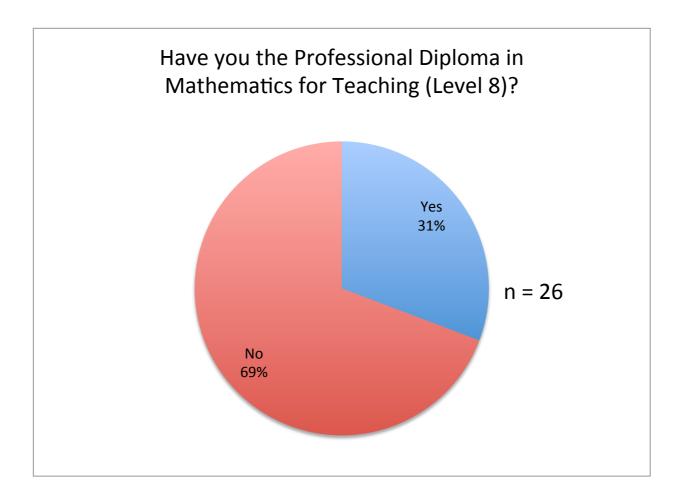
Question 2c

Is Mathematics one of your final year degree subjects? $n = 36$	TOTALS	%
Yes No	28 8	77.8% 22.2%
Total	36	100.0%



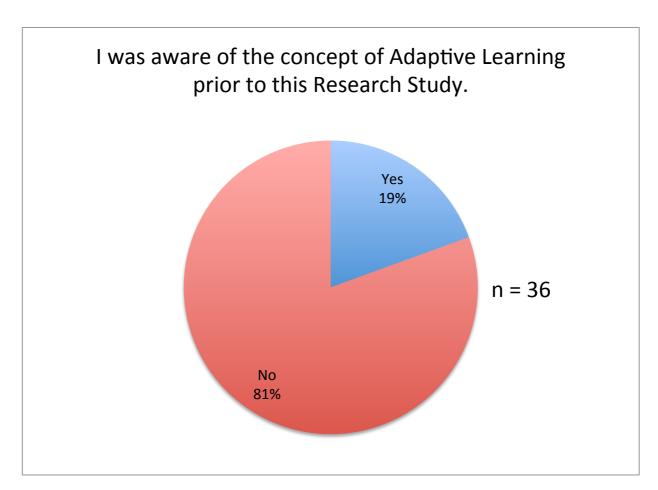
Question 2d

Have you the Professional Diploma in Mathematics for Teaching		
(Level 8)?	TOTALS	%
n = 26		
Yes	8	30.8%
No	18	69.2%
Total	26	100.0%



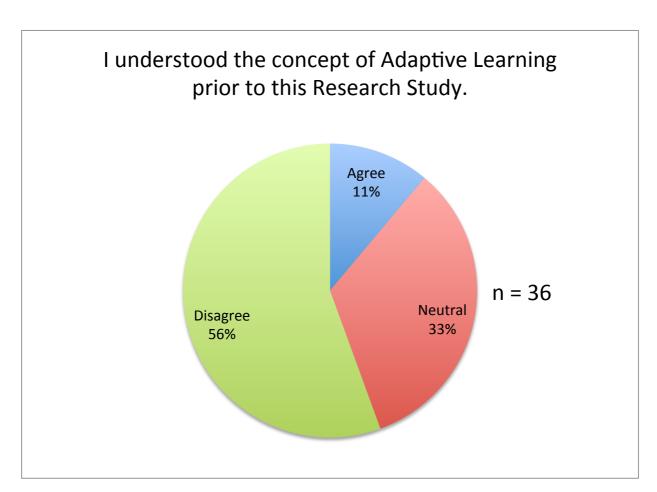
Question 3a

I was aware of the concept of Adaptive Learning prior to this		
Research Study.	TOTALS	%
n = 36		
Yes	7	19.4%
No	29	80.6%
Total	36	100.0%



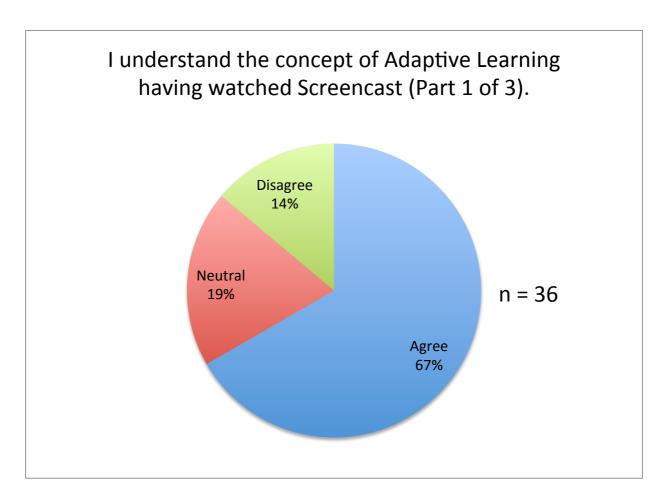
Question 3b

I understood the concept of Adaptive Learning prior to this Research		
Study.	TOTALS	%
n = 36		
Agree	4	11.1%
Neutral	12	33.3%
Disagree	20	55.6%
Total	36	100.0%



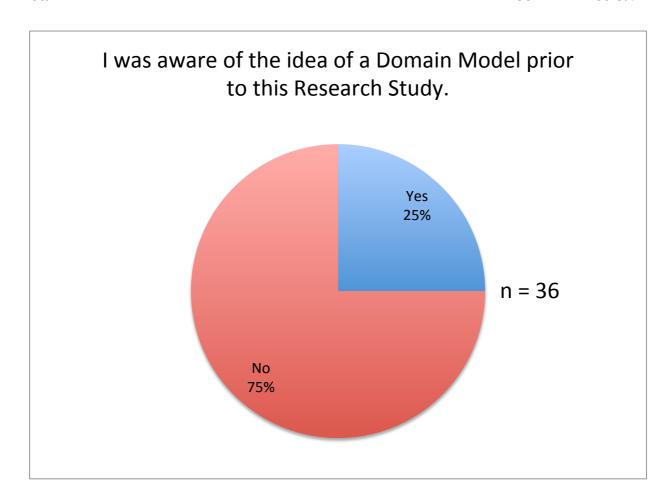
Question 3c

I understand the concept of Adaptive Learning having watched Screencast (Part 1 of 3). $n = 36$	TOTALS	%
Agree	24	66.7%
Neutral	7	19.4%
Disagree	5	13.9%
Total	36	100.0%



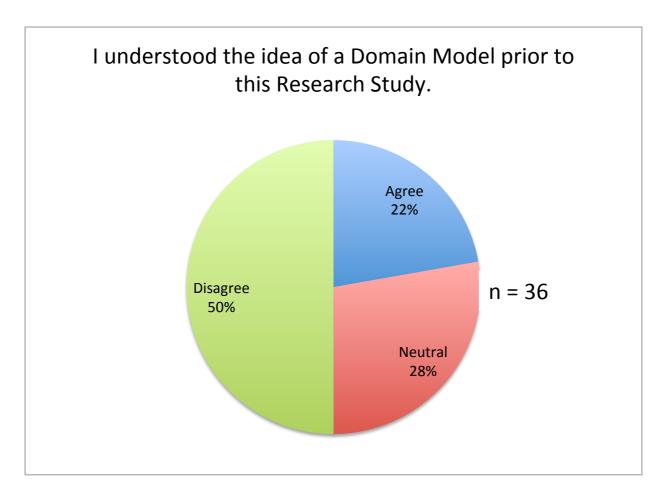
Question 4a

I was aware of the idea of a Domain Model prior to this Research		
Study.	TOTALS	%
n = 36		
Yes	9	25.0%
No	27	75.0%
Total	36	100.0%



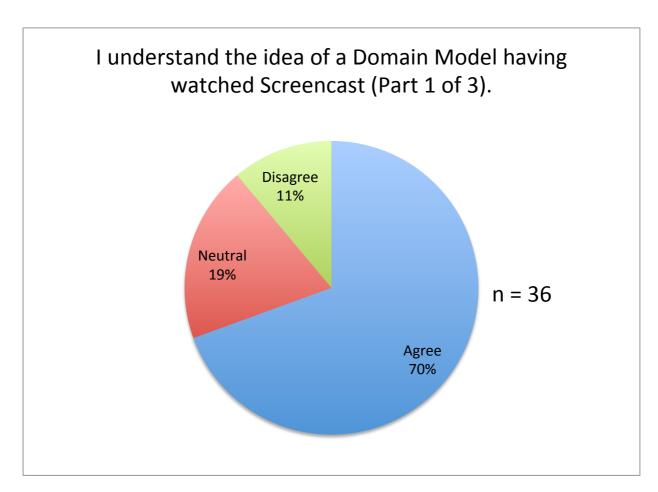
Question 4b

I understood the idea of a Domain Model prior to this Research Study. $n = 36$	TOTALS	%
Agree	8	22.2%
Neutral	10	27.8%
Disagree	18	50.0%
Total	36	100.0%



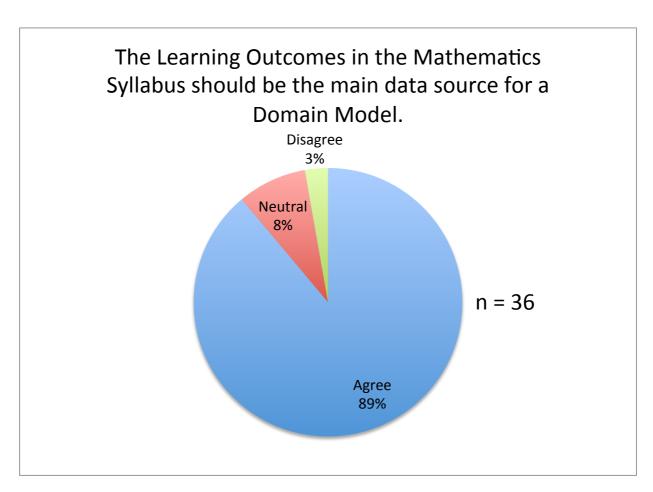
Question 4c

I understand the idea of a Domain Model having watched Screencast		
(Part 1 of 3).	TOTALS	%
n = 36		
Agree	25	69.4%
Neutral	7	19.4%
Disagree	4	11.1%
Total	36	99.9%



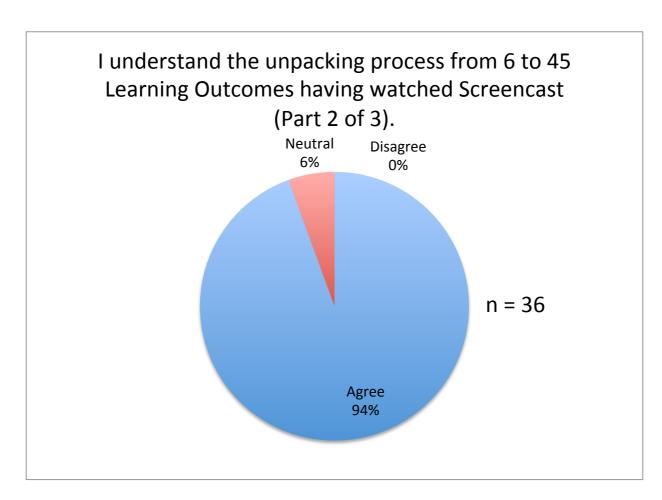
Question 5a

The Learning Outcomes in the Mathematics Syllabus should be the		
main data source for a Domain Model.	TOTALS	%
n = 36		
Agree	32	88.9%
Neutral	3	8.3%
Disagree	1	2.8%
Total	36	100.0%



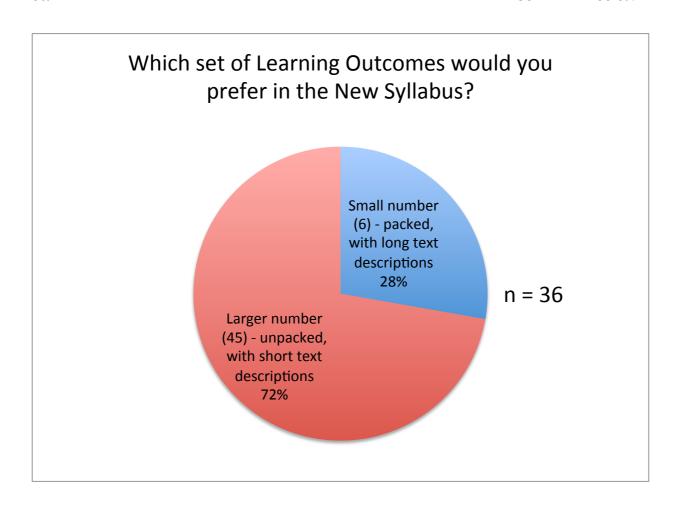
Question 5b

I understand the unpacking process from 6 to 45 Learning Outcomes having watched Screencast (Part 2 of 3). $n = 36$	TOTALS	%
Agree	34	94.4%
Neutral	2	5.6%
Disagree	0	0.0%
Total	36	100.0%



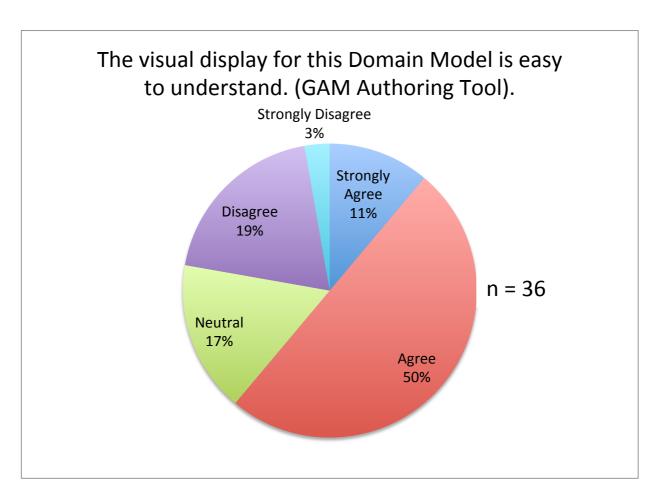
Question 5c

Which set of Learning Outcomes would you prefer in the New Syllabus? n = 36	TOTALS	%
Small number (6) - packed, with long text descriptions Larger number (45) - unpacked, with short text descriptions	10 26	27.8% 72.2%
Total	36	100.0%



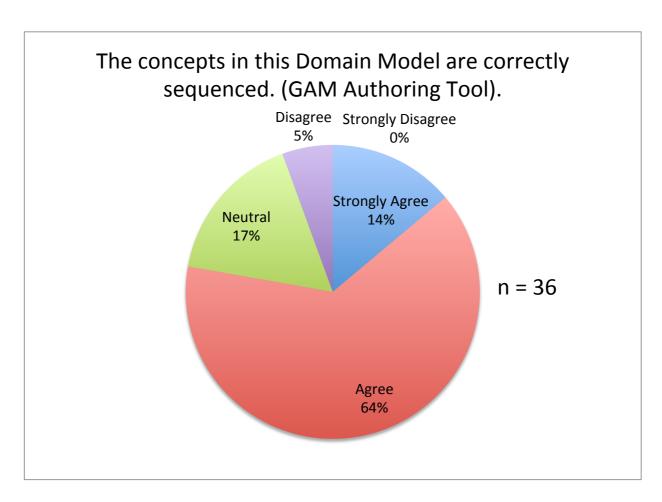
Question 6a

The visual display for this Domain Model is easy to understand. (GAM Authoring Tool). $n = 36$	TOTALS	%
Strongly Agree	4	11.1%
Agree	18	50.0%
Neutral	6	16.7%
Disagree	7	19.4%
Strongly Disagree	1	2.8%
Total	36	100.0%



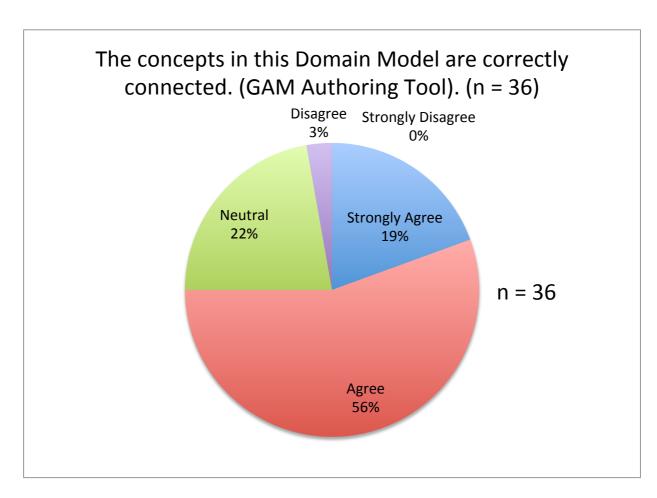
Question 6b

The concepts in this Domain Model are correctly sequenced. (GAM Authoring Tool). $n = 36$	TOTALS	%
Strongly Agree	5	13.9%
Agree	23	63.9%
Neutral	6	16.7%
Disagree	2	5.6%
Strongly Disagree	0	0.0%
Total	36	100.1%



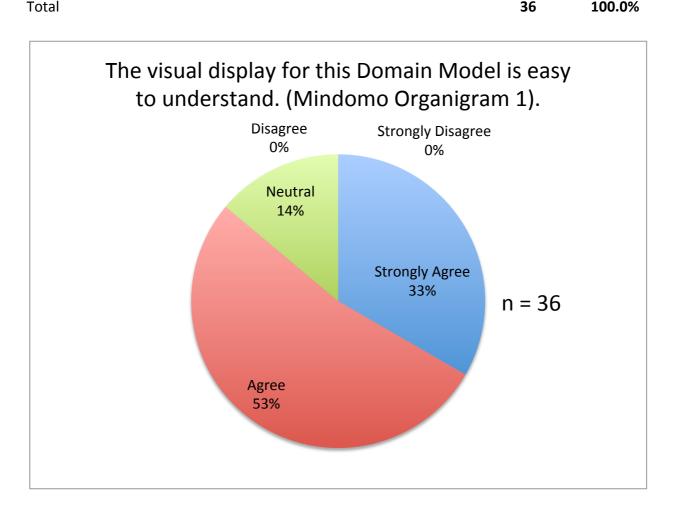
Question 6c

The concepts in this Domain Model are correctly connected. (GAM Authoring Tool). $n = 36$	TOTALS	%
Strongly Agree	7	19.4%
Agree	20	55.6%
Neutral	8	22.2%
Disagree	1	2.8%
Strongly Disagree	0	0.0%
Total	36	100.0%



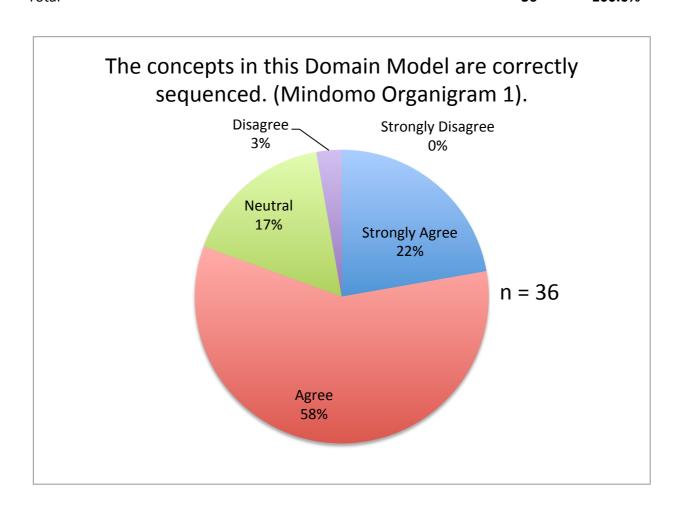
Question 7a

The visual display for this Domain Model is easy to understand.		
(Mindomo Organigram 1).	TOTALS	%
n = 36		
Strongly Agree	12	33.3%
Agree	19	52.8%
Neutral	5	13.9%
Disagree	0	0.0%
Strongly Disagree	0	0.0%
Total	36	100 0%



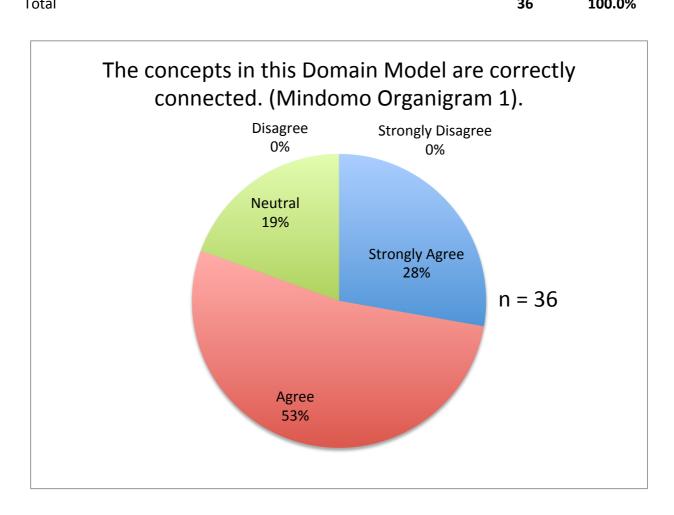
Question 7b

The concepts in this Domain Model are correctly sequenced.		
(Mindomo Organigram 1).	TOTALS	%
n = 36		
Strongly Agree	8	22.2%
Agree	21	58.3%
Neutral	6	16.7%
Disagree	1	2.8%
Strongly Disagree	0	0.0%
Total	36	100.0%



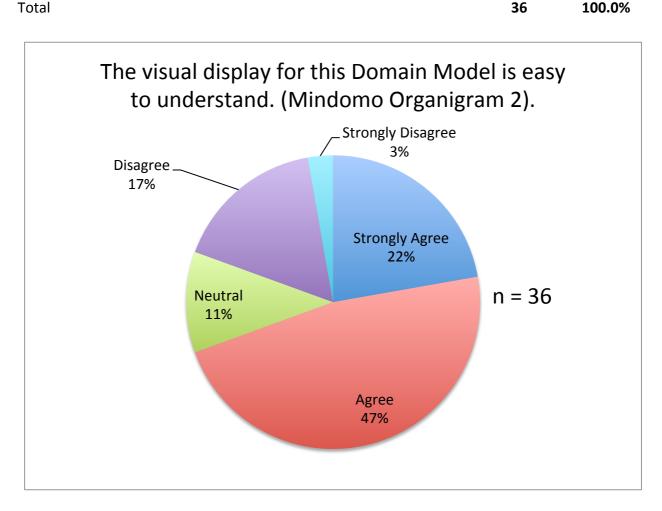
Question 7c

The concepts in this Domain Model are correctly connected.		
(Mindomo Organigram 1).	TOTALS	%
n = 36		
Chromoly Agree	10	37.00/
Strongly Agree	10	27.8%
Agree	19	52.8%
Neutral	7	19.4%
Disagree	0	0.0%
Strongly Disagree	0	0.0%
Total	36	100.0%



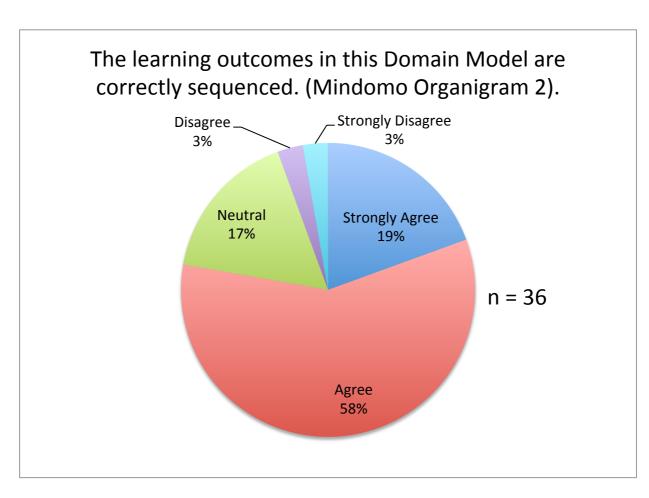
Question 8a

The visual display for this Domain Model is easy to understand.		
(Mindomo Organigram 2).	TOTALS	%
n = 36		
Strongly Agree	8	22.2%
Agree	17	47.2%
Neutral	4	11.1%
Disagree	6	16.7%
Strongly Disagree	1	2.8%
Total	36	100.0%



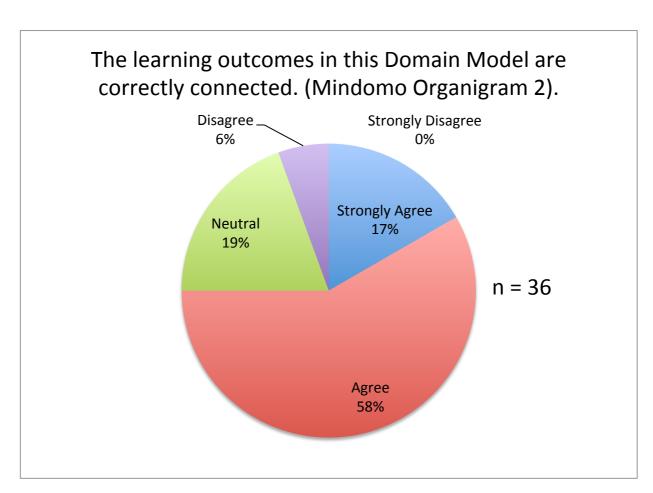
Question 8b

The learning outcomes in this Domain Model are correctly sequenced. (Mindomo Organigram 2). $n = 36$	TOTALS	%
Strongly Agree	7	19.4%
Agree	21	58.3%
Neutral	6	16.7%
Disagree	1	2.8%
Strongly Disagree	1	2.8%
Total	36	100.0%



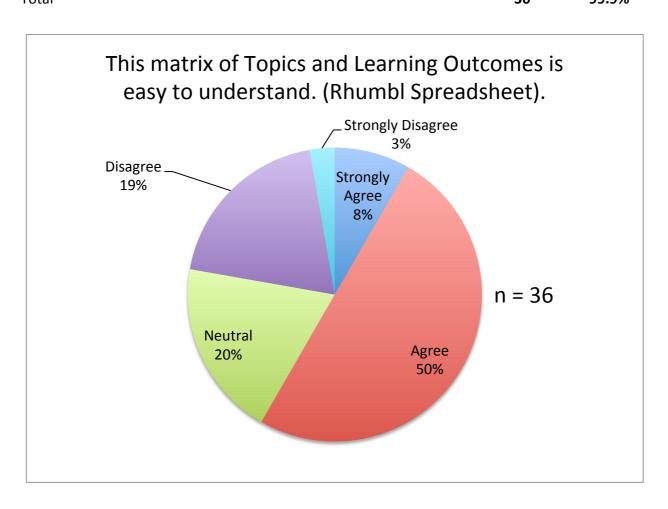
Question 8c

The learning outcomes in this Domain Model are correctly connected. (Mindomo Organigram 2). $n = 36$	TOTALS	%
Strongly Agree	6	16.7%
Agree	21	58.3%
Neutral	7	19.4%
Disagree	2	5.6%
Strongly Disagree	0	0.0%
Total	36	100.0%



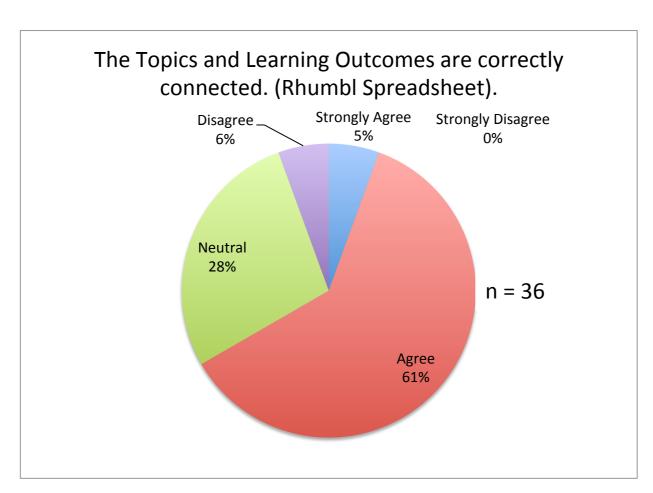
Question 9a

This matrix of Topics and Learning Outcomes is easy to understand.		
(Rhumbl Spreadsheet).	TOTALS	%
n = 36		
Strongly Agree	3	8.3%
Agree	18	50.0%
Neutral	7	19.4%
Disagree	7	19.4%
Strongly Disagree	1	2.8%
Total	36	99.9%



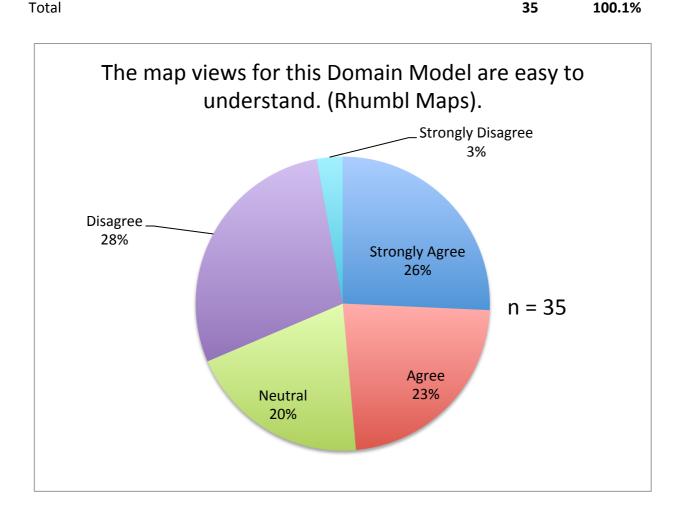
Question 9b

The Topics and Learning Outcomes are correctly connected. (Rhumbl		
Spreadsheet).	TOTALS	%
n = 36		
Strongly Agree	2	5.6%
Agree	22	61.1%
Neutral	10	27.8%
Disagree	2	5.6%
Strongly Disagree	0	0.0%
Total	36	100.1%



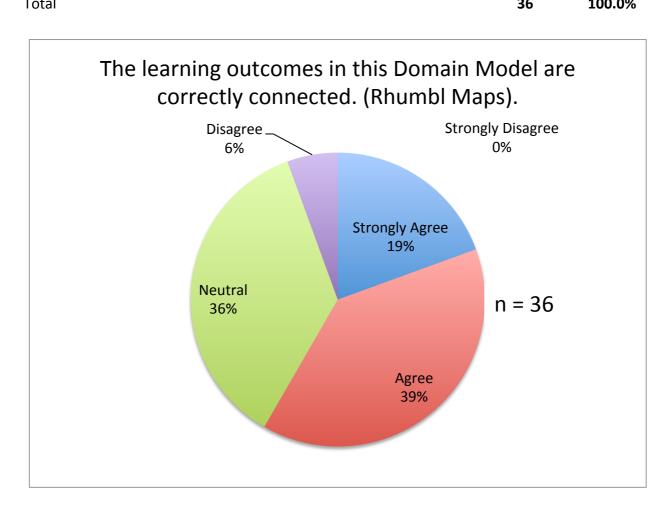
Question 10a

The map views for this Domain Model are easy to understand.		
(Rhumbl Maps).	TOTALS	%
n = 35		
Strongly Agree	9	25.7%
Agree	8	22.9%
Neutral	7	20.0%
Disagree	10	28.6%
Strongly Disagree	1	2.9%
Total	25	100 10/



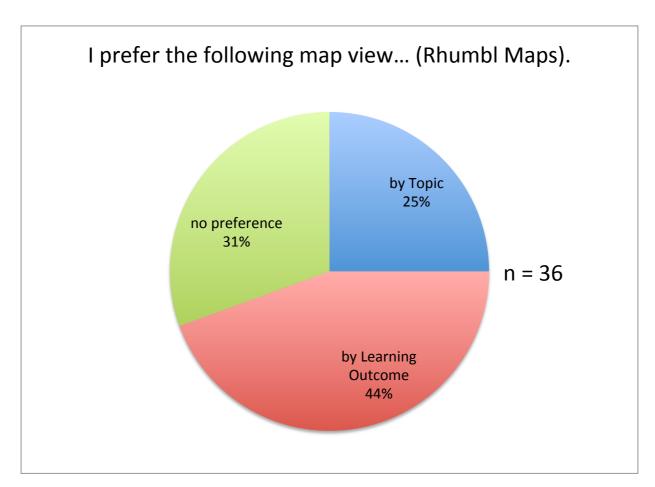
Question 10b

The learning outcomes in this Domain Model are correctly connected. (Rhumbl Maps). $n = 36$	TOTALS	%
Strongly Agree	7	19.4%
Agree	14	38.9%
Neutral	13	36.1%
Disagree	2	5.6%
Strongly Disagree	0	0.0%
Total	36	100.0%



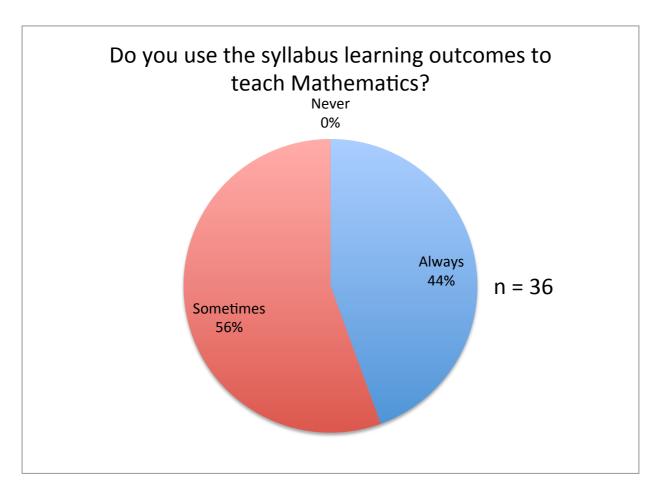
Question 10c

I prefer the following map view (Rhumbl Maps). $n = 36$	TOTALS	%
by Topic	9	25.0%
by Learning Outcome	16	44.4%
no preference	11	30.6%
Total	36	100.0%



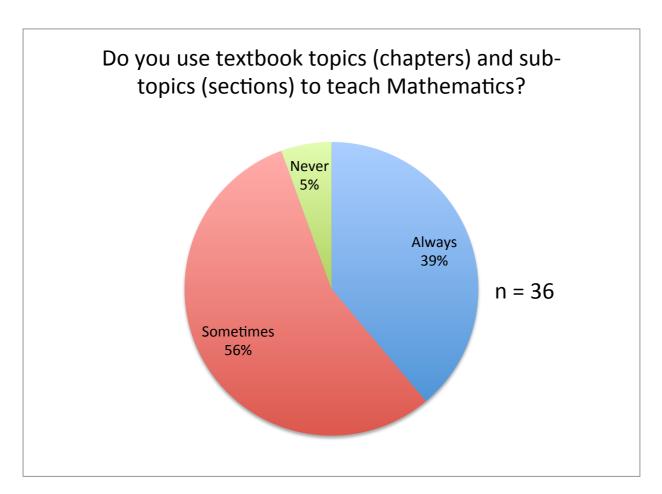
Question 11a

Do you use the syllabus learning outcomes to teach Mathematics? $n = 36$	TOTALS	%	
Always	16	44.4%	
Sometimes	20	55.6%	
Never	0	0.0%	
Total	36	100.0%	



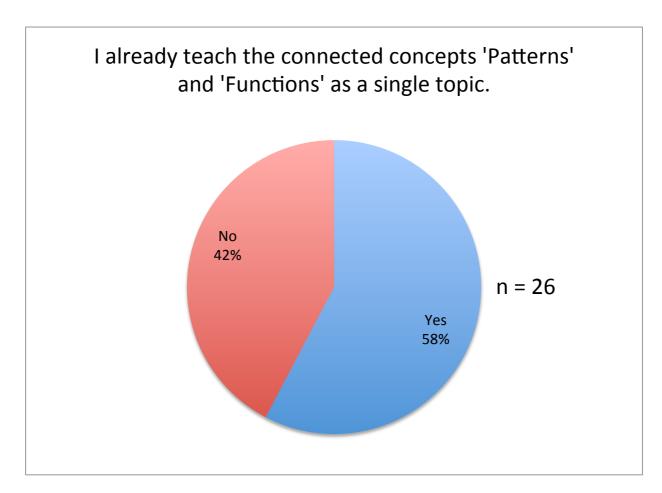
Question 11b

Do you use textbook topics (chapters) and sub-topics (sections) to		
teach Mathematics?	TOTALS	%
n = 36		
Always	14	38.9%
Sometimes	20	55.6%
Never	2	5.6%
Total	36	100.1%



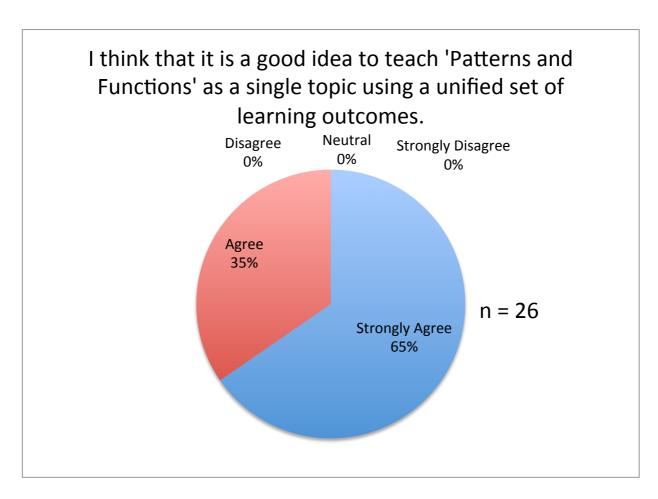
Question 12a

I already teach the connected concepts 'Patterns' and 'Functions' as a		
single topic.	TOTALS	%
n = 26		
Yes	15	57.7%
No	11	42.3%
Total	26	100.0%



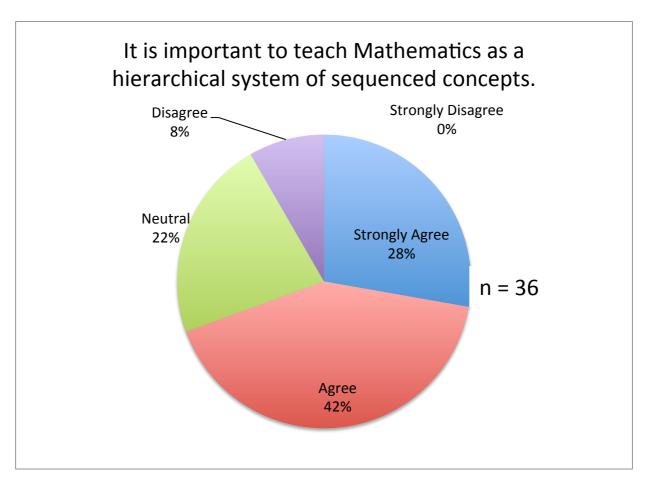
Question 12b

I think that it is a good idea to teach 'Patterns and Functions' as a single topic using a unified set of learning outcomes. n = 26	TOTALS	%
Strongly Agree	17	65.4%
Agree	9	34.6%
Neutral	0	0.0%
Disagree	0	0.0%
Strongly Disagree	0	0.0%
Total	26	100.0%



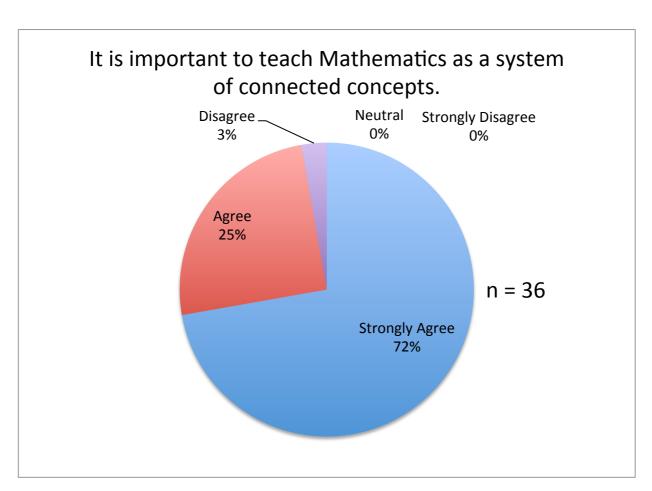
Question 13a

It is important to teach Mathematics as a hierarchical system of sequenced concepts. n = 36	TOTALS	%
Strongly Agree	10	27.8%
Agree	15	41.7%
Neutral	8	22.2%
Disagree	3	8.3%
Strongly Disagree	0	0.0%
Total	36	100.0%



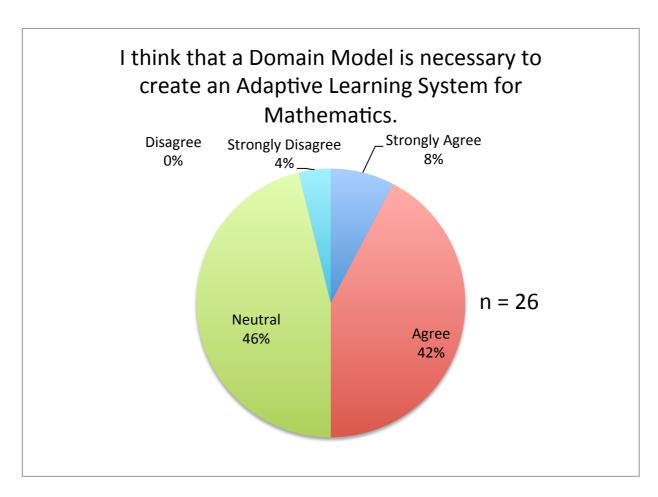
Question 13b

It is important to teach Mathematics as a system of connected concepts. n = 36	TOTALS	%
Strongly Agree	26	72.2%
Agree	9	25.0%
Neutral	0	0.0%
Disagree	1	2.8%
Strongly Disagree	0	0.0%
Total	36	100.0%



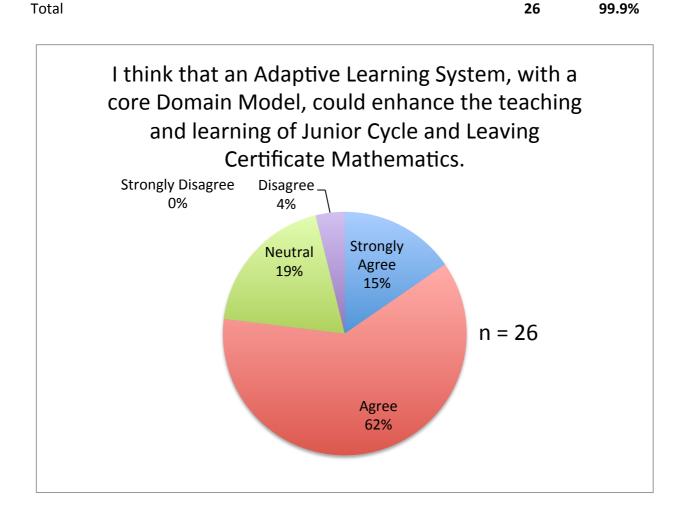
Question 14a

I think that a Domain Model is necessary to create an Adaptive Learning System for Mathematics. n = 26	TOTALS	%
Strongly Agree	2	7.7%
Agree	11	42.3%
Neutral	12	46.2%
Disagree	0	0.0%
Strongly Disagree	1	3.8%
Total	26	100.0%



Question 14b

I think that an Adaptive Learning System, with a core Domain Model, could enhance the teaching and learning of Junior Cycle and Leaving Certificate Mathematics. **TOTALS** % n = 264 Strongly Agree 15.4% Agree 16 61.5% Neutral 5 19.2% Disagree 1 3.8% Strongly Disagree 0.0%



Question 14c

I think that an Adaptive Learning System would be a more effective tool than a textbook for teaching Mathematics as a system of connected concepts.

connected concepts. $n = 26$	TOTALS	%
Strongly Agree	5	19.2%
Agree	11	42.3%
Neutral	9	34.6%
Disagree	1	3.8%
Strongly Disagree	0	0.0%
Total	26	99.9%

