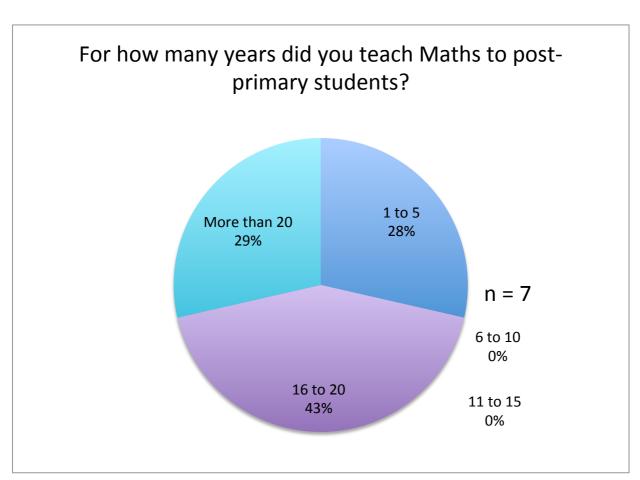
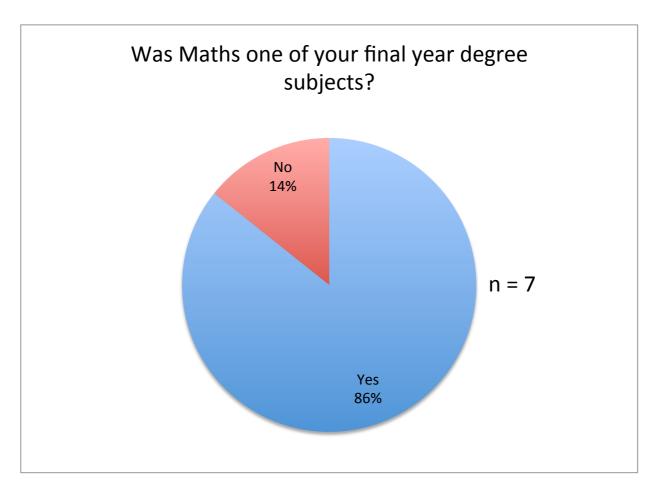
### Question 2.6

For how many years did you teach Maths to post-primary students? $n = 7$	TOTALS	%
1 to 5	2	28.6%
6 to 10	0	0.0%
11 to 15	0	0.0%
16 to 20	3	42.9%
More than 20	2	28.6%
Total	7	100.1%



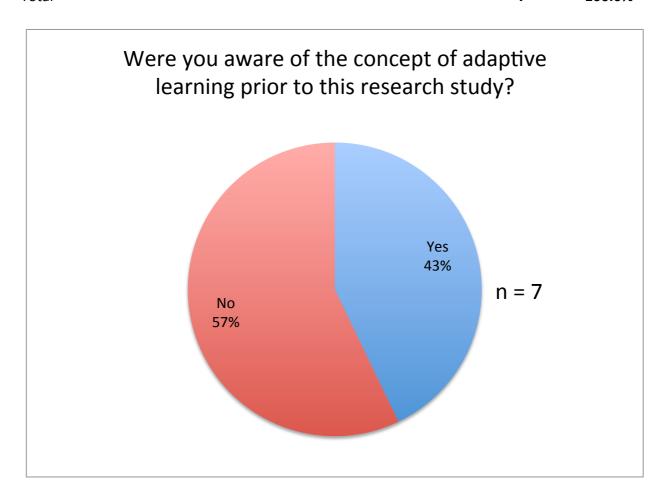
### Question 2.4

Was Maths one of your final year degree subjects? $n = 7$	TOTALS	%
Yes No	6 1	85.7% 14.3%
Total	7	100.0%



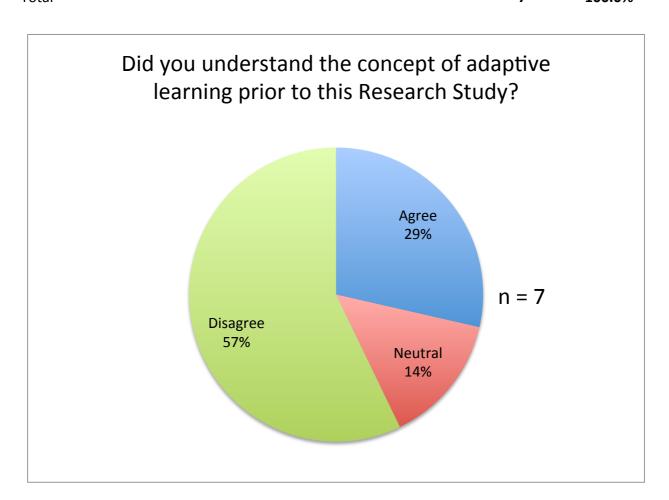
### Question 3.1

Were you aware of the concept of adaptive learning prior to this research study?  n = 7	TOTALS	%
Yes No	3 4	42.9% 57.1%
Total	7	100.0%



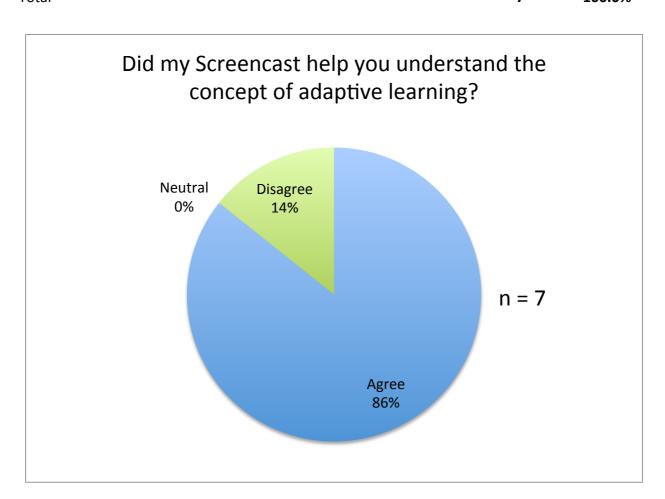
### Question 3.2

Did you understand the concept of adaptive learning prior to this		
Research Study?	TOTALS	%
n = 7		
Agree	2	28.6%
Neutral	1	14.3%
Disagree	4	57.1%
Total	7	100.0%



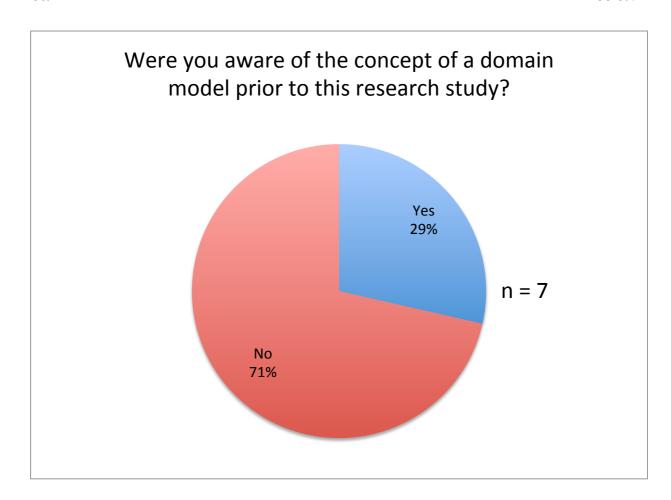
### Question 3.3

Did my Screencast help you understand the concept of adaptive		
learning?	TOTALS	%
n = 7		
Agree		OF 70/
Agree	6	85.7%
Neutral	0	0.0%
Disagree	1	14.3%
Total	7	100.0%



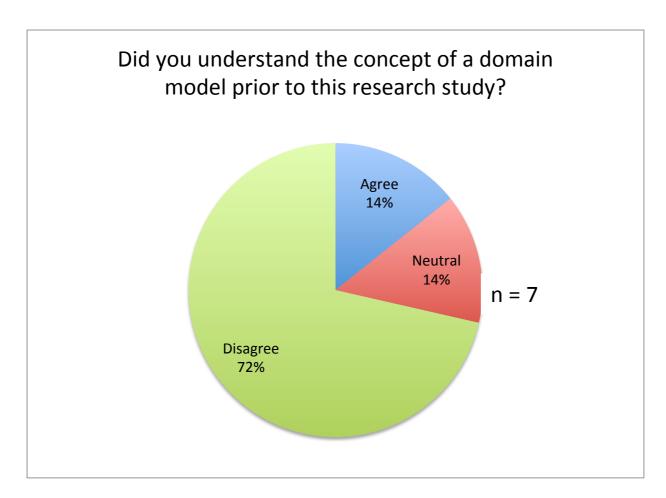
### Question 4.1

Were you aware of the concept of a domain model prior to this research study?  n = 7	TOTALS	%
Yes	2	28.6%
No	5	71.4%
Total	7	100.0%



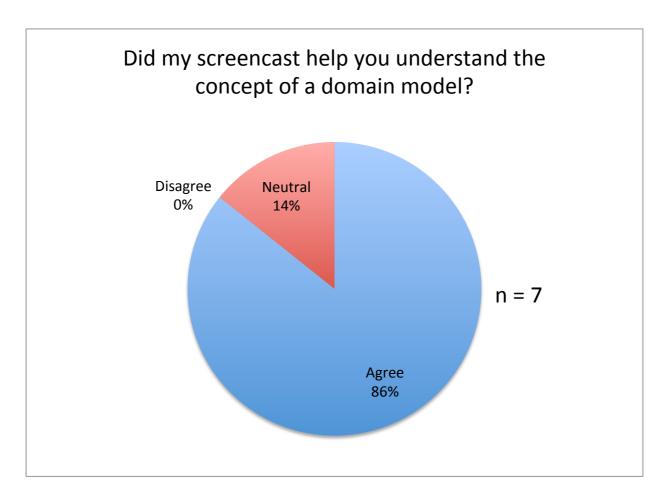
### Question 4.2

Did you understand the concept of a domain model prior to this resear $n = 7$	TOTALS	%
Agree	1	14.3%
Neutral	1	14.3%
Disagree	5	71.4%
Total	7	100.0%



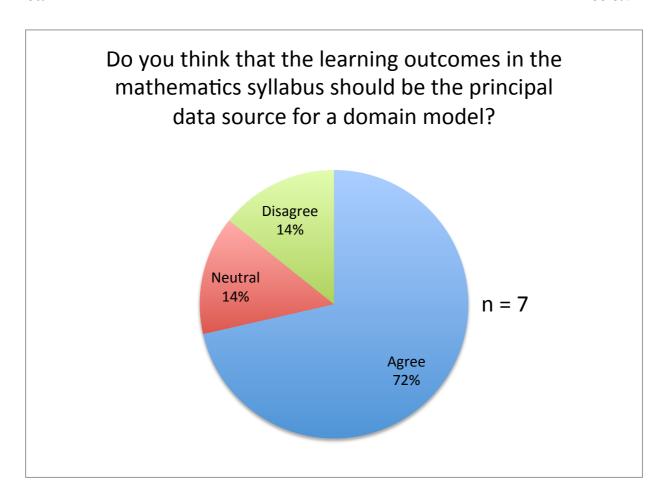
### Question 4.3

Did my screencast help you understand the concept of a domain		
model?	TOTALS	%
n = 7		
	_	
Agree	6	85.7%
Neutral	1	14.3%
Disagree	0	0.0%
	_	400 00/
Total	7	100.0%



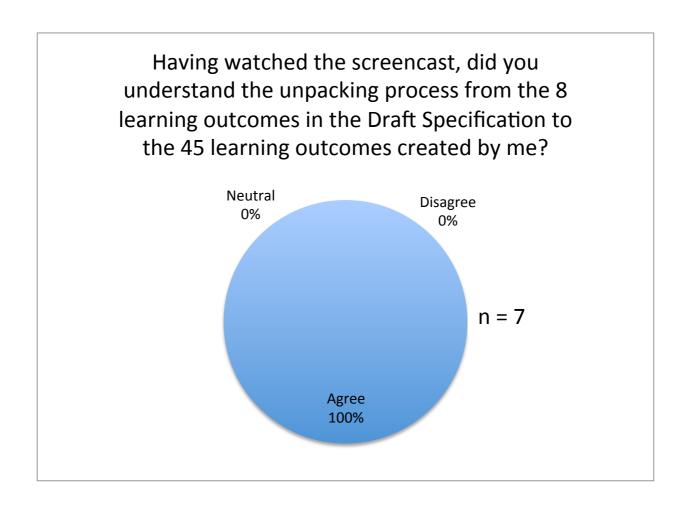
### Question 5.1

Do you think that the learning outcomes in the mathematics syllabus should be the principal data source for a domain model? $n = 7$	TOTALS	%
Agree	5	71.4%
Neutral	1	14.3%
Disagree	1	14.3%
Total	7	100.0%



### Question 5.3

Having watched the screencast, did you understand the unpacking process from the 8 learning outcomes in the Draft Specification to the 45 learning outcomes created by me? $n = 7$	TOTALS	%
Agree	7	100.0%
Neutral	0	0.0%
Disagree	0	0.0%
Total	7	100.0%



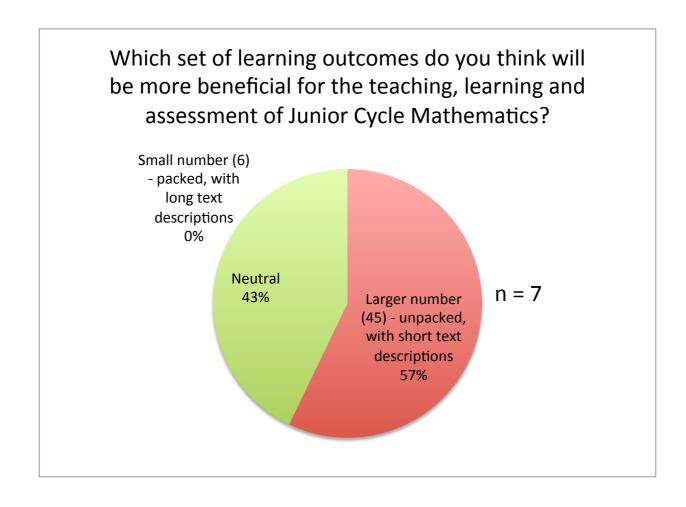
#### Question 5.4

Total

Which set of learning outcomes do you think will be more beneficial for the teaching, learning and assessment of Junior Cycle Mathematics? TOTALS % n=7Small number (6) - packed, with long text descriptions 0 0.0% Larger number (45) - unpacked, with short text descriptions 4 57.1% Neutral 3 42.9%

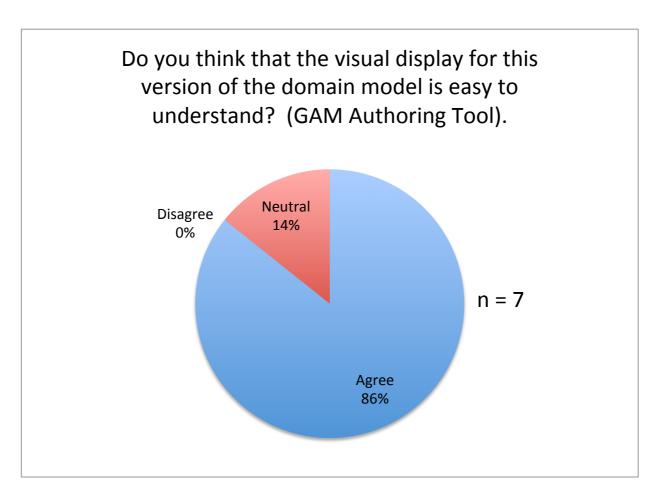
7

100.0%



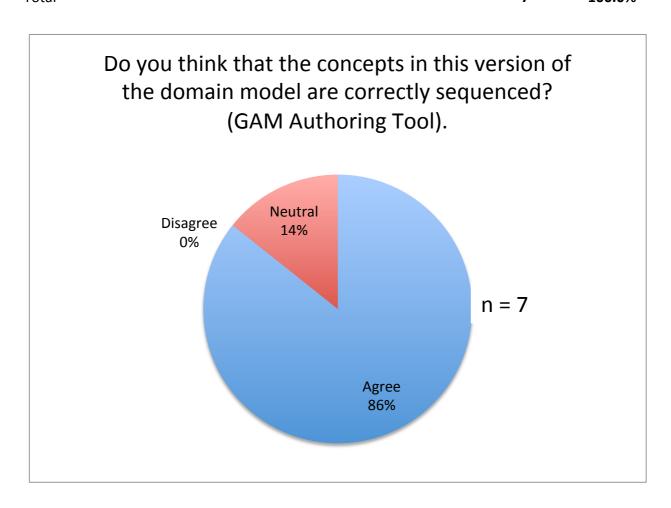
### Question 6.1

Do you think that the visual display for this version of the domain model is easy to understand? (GAM Authoring Tool). $n = 7$	TOTALS	%
Agree	c	85.7%
Agree	6	
Neutral	1	14.3%
Disagree	0	0.0%
Total	7	100.0%



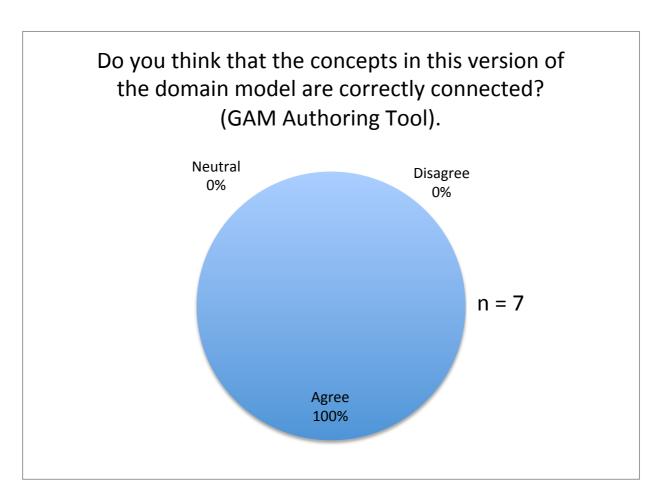
### Question 6.2

Do you think that the concepts in this version of the domain model are correctly sequenced? (GAM Authoring Tool). $n = 7$	TOTALS	%
Agree	6	85.7%
Neutral	1	14.3%
Disagree	0	0.0%
Total	7	100.0%



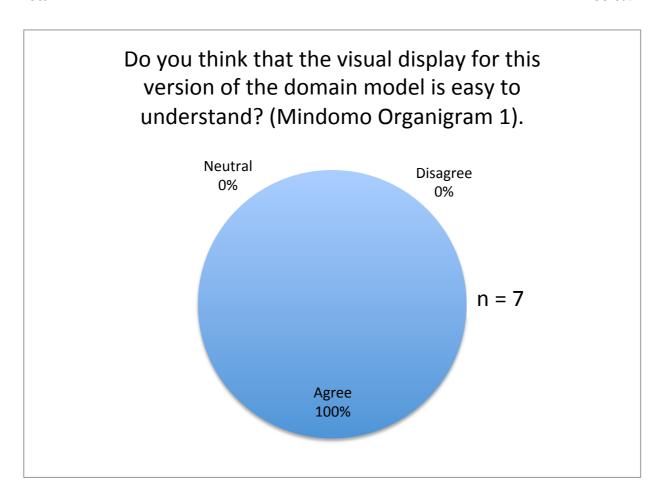
### Question 6.3

Do you think that the concepts in this version of the domain model are correctly connected? (GAM Authoring Tool). $n = 7$	TOTALS	%
Agree	7	100.0%
Neutral	0	0.0%
Disagree	0	0.0%
Total	7	100.0%



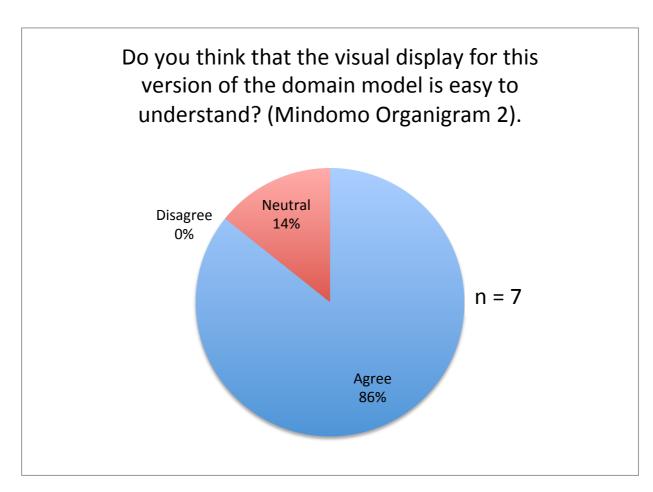
### Question 8.1

Do you think that the visual display for this version of the domain model is easy to understand? (Mindomo Organigram 1). $n = 7$	TOTALS	%
Agree	7	100.0%
Neutral	0	0.0%
Disagree	0	0.0%
Total	7	100.0%



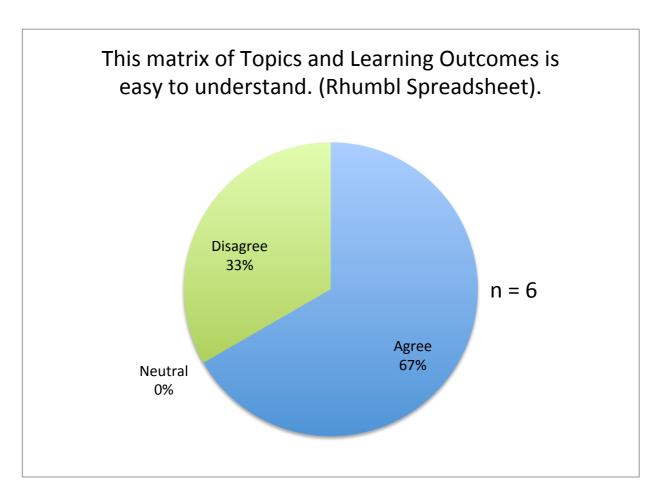
### Question 7.1b

Do you think that the visual display for this version of the domain model is easy to understand? (Mindomo Organigram 2). $n = 7$	TOTALS	%
Agree	6	85.7%
Neutral	1	14.3%
Disagree	0	0.0%
Total	7	100.0%



### Question 9.1

Do you think that the matrix of Topics and Learning Outcomes is easy		
to understand? (Rhumbl Spreadsheet).	#REF!	#REF!
n = 6		
Agree	4	66.7%
Neutral	0	0.0%
Disagree	2	33.3%
Total	6	100.0%



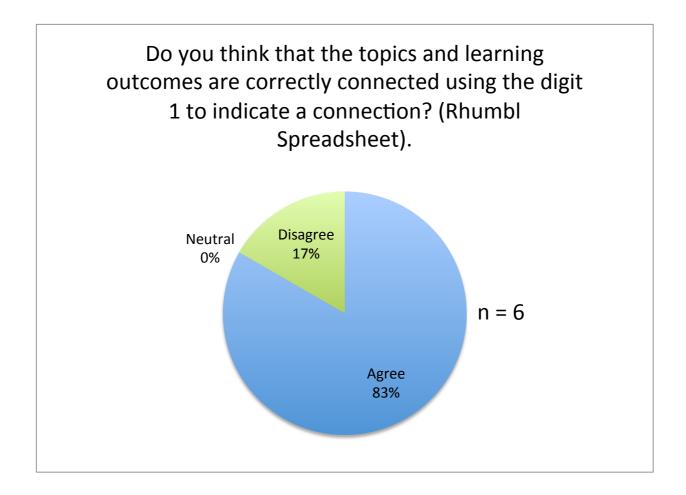
#### Question 9.2

Do you think that the topics and learning outcomes are correctly connected using the digit 1 to indicate a connection? (Rhumbl Spreadsheet). 

TOTALS n = 6

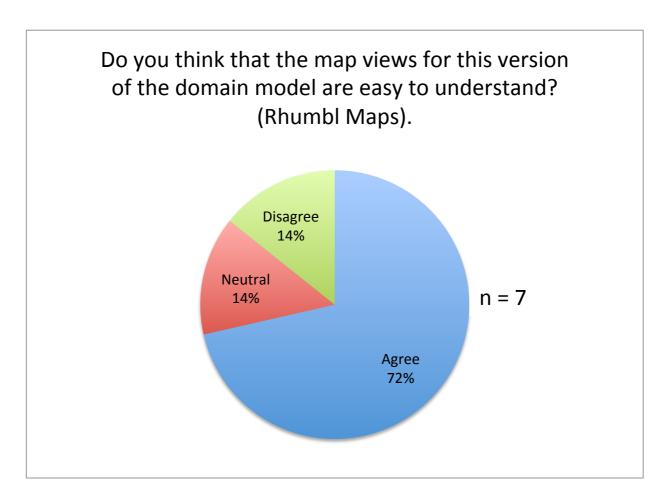
Agree	5	83.3%
Neutral	0	0.0%
Disagree	1	16.7%
Total	6	100.0%

%



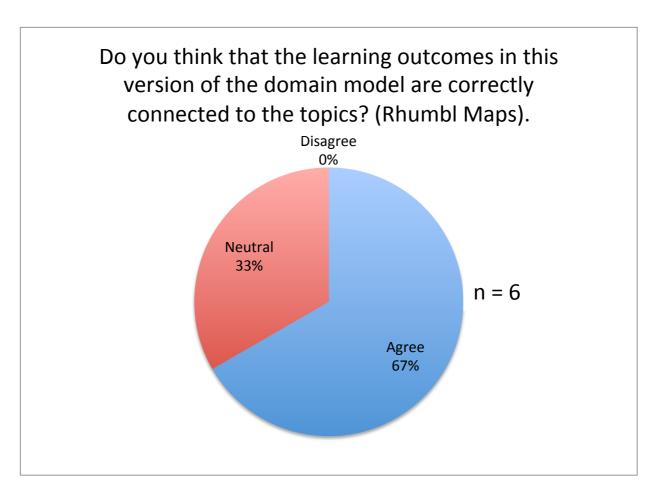
### Question 10.1

Do you think that the map views for this version of the domain model are easy to understand? (Rhumbl Maps). $n = 7$	TOTALS	%
Agrac	5	71.4%
Agree	3	
Neutral	1	14.3%
Disagree	1	14.3%
Total	7	100.0%



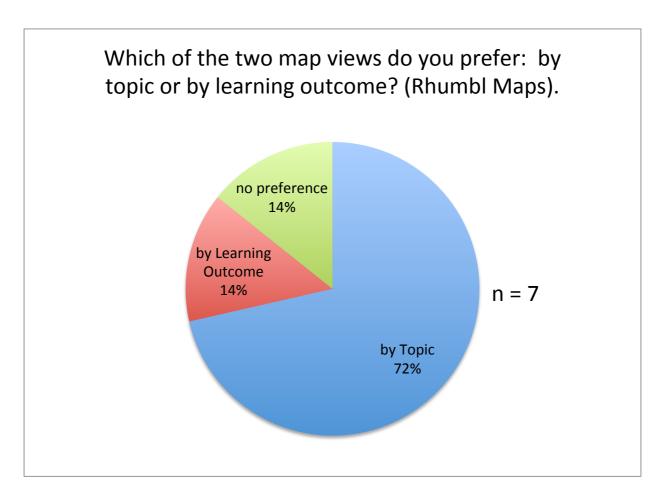
### Question 10.2

Do you think that the learning outcomes in this version of the domain		
model are correctly connected to the topics? (Rhumbl Maps).	TOTALS	%
n = 6		
Agree	4	66.7%
Neutral	2	33.3%
Disagree	0	0.0%
Total	6	100.0%



### Question 10.3

Which of the two map views do you prefer: by topic or by learning outcome? (Rhumbl Maps). $n = 7$	TOTALS	%
by Topic	5	71.4%
by Learning Outcome	1	14.3%
no preference	1	14.3%
Total	7	100.0%



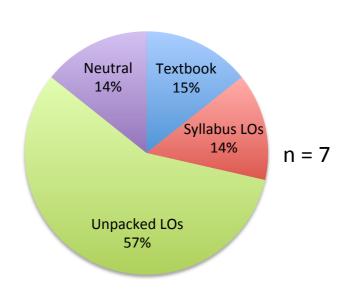
#### Question 11.1

What do you think teachers should use as the main framework to teach the new Junior Cycle Maths course that commences in September 2018? (Textbook, Syllabus LOs, Unpacked LOs). **TOTALS** n = 7

Textbook	1	14.3%
Syllabus LOs	1	14.3%
Unpacked LOs	4	57.1%
Neutral	1	14.3%
Total	7	100.0%

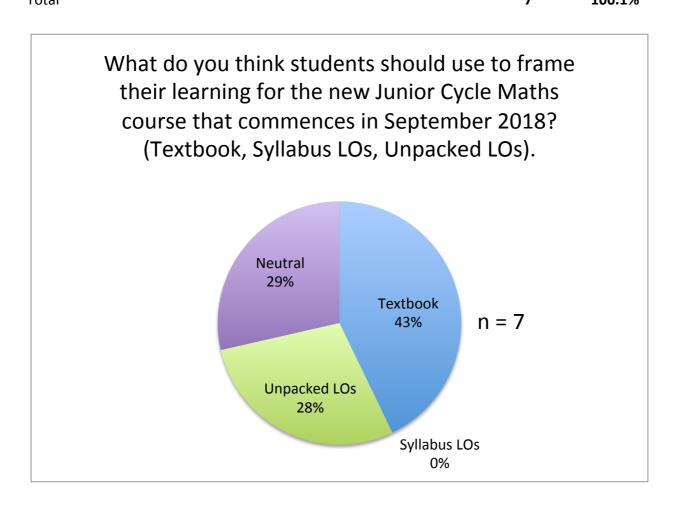
%

What do you think teachers should use as the main framework to teach the new Junior Cycle Maths course that commences in September 2018? (Textbook, Syllabus LOs, Unpacked LOs).



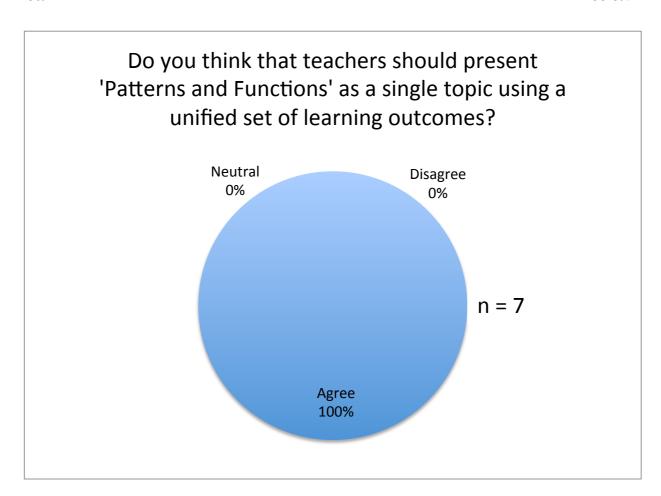
#### Question 11.2

What do you think students should use to frame their learning for the new Junior Cycle Maths course that commences in September 2018? (Textbook, Syllabus LOs, Unpacked LOs). **TOTALS** % n = 7**Textbook** 3 42.9% Syllabus LOs 0.0% **Unpacked LOs** 2 28.6% Neutral 2 28.6% Total 7 100.1%



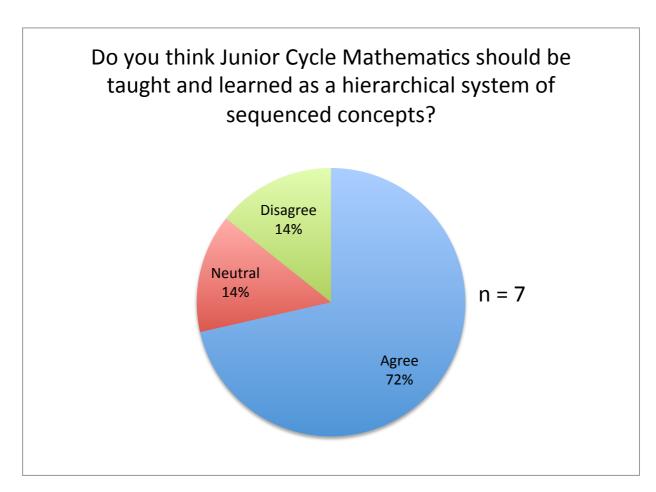
### Question 12.1

Do you think that teachers should present 'Patterns and Functions' as a single topic using a unified set of learning outcomes? $n = 7$	TOTALS	%
Agree	7	100.0%
Neutral	0	0.0%
Disagree	0	0.0%
Total	7	100.0%



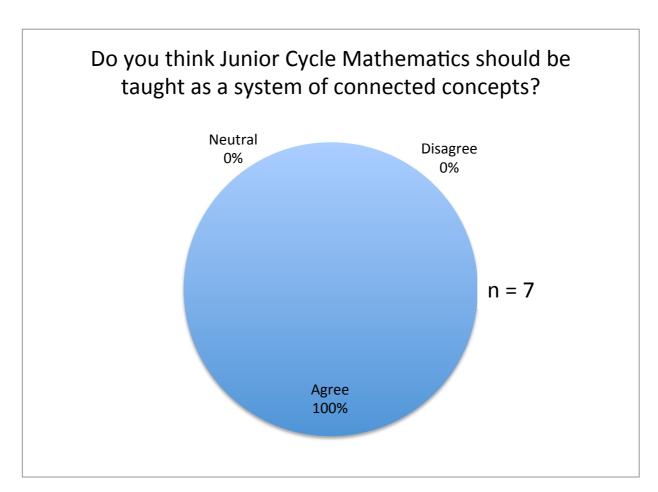
### Question 13.1

Do you think Junior Cycle Mathematics should be taught and learned		
as a hierarchical system of sequenced concepts?	<b>TOTALS</b>	%
n = 7		
Agree	5	71.4%
Neutral	1	14.3%
Disagree	1	14.3%
Total	7	100.0%



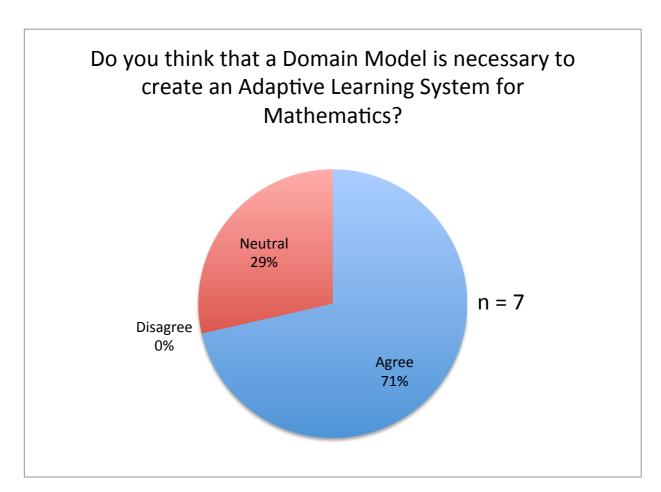
### Question 13.4

Do you think Junior Cycle Mathematics should be taught as a system		
of connected concepts?	<b>TOTALS</b>	%
n = 7		
Agree	7	100.0%
Neutral	0	0.0%
Disagree	0	0.0%
Total	7	100.0%



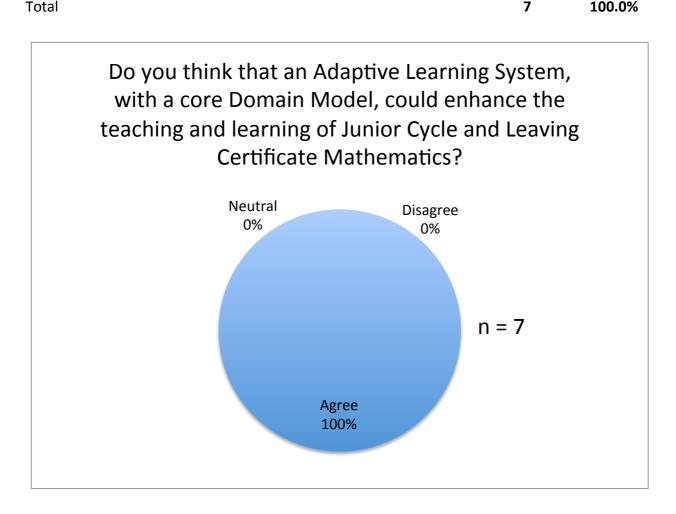
### Question 14.1

Do you think that a Domain Model is necessary to create an Adaptive		
Learning System for Mathematics?	<b>TOTALS</b>	%
n = 7		
Agree	5	71.4%
Neutral	2	28.6%
Disagree	0	0.0%
Total	7	100.0%



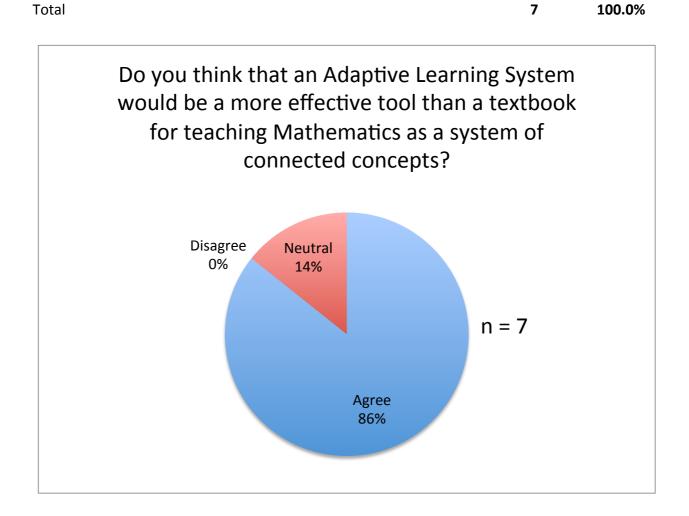
### Question 14.2

Do you think that an Adaptive Learning System, with a core Domain Model, could enhance the teaching and learning of Junior Cycle and		
Leaving Certificate Mathematics?	<b>TOTALS</b>	%
n = 7		
Agree	7	100.0%
Neutral	0	0.0%
Disagree	0	0.0%
Total	7	100.00/



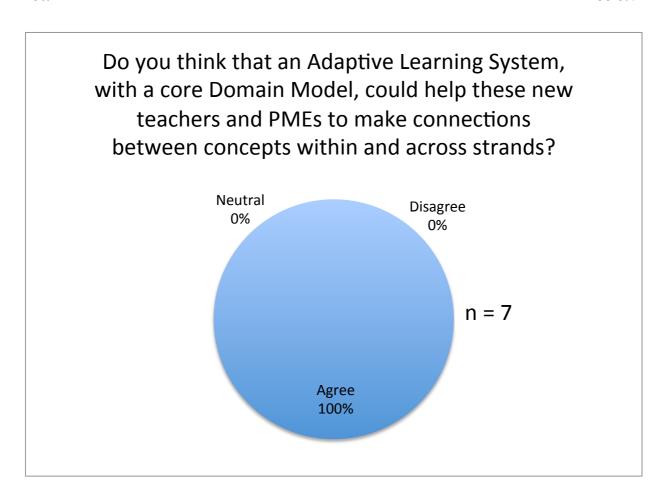
### Question 14.3

Do you think that an Adaptive Learning System would be a more		
effective tool than a textbook for teaching Mathematics as a system		
of connected concepts?	TOTALS	%
n = 7		
Agree	6	85.7%
Neutral	1	14.3%
Disagree	0	0.0%



### Question 15.1

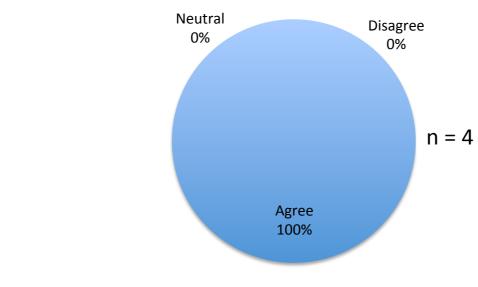
Do you think that an Adaptive Learning System, with a core Domain Model, could help these new teachers and PMEs to make connections $n = 7$	TOTALS	%
Agree	7	100.0%
Neutral	0	0.0%
Disagree	0	0.0%
Total	7	100.0%



### Question 15.2

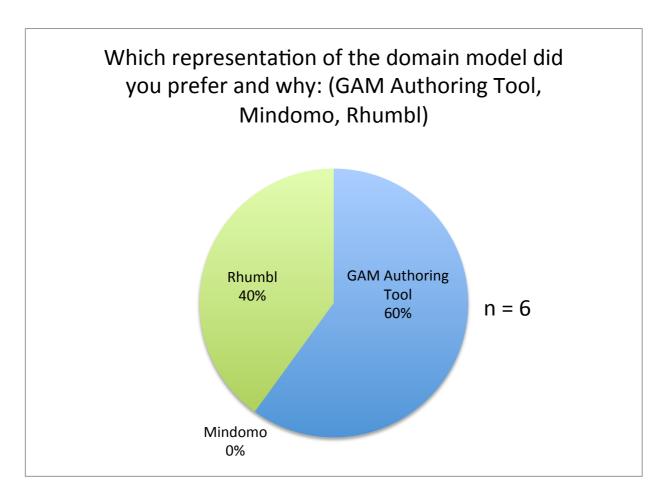
Do you think that if such an Adaptive Learning System is created that this should be used by the colleges of education that prepare $n = 4$	TOTALS	%
Agree	4	100.0%
Neutral	0	0.0%
Disagree	0	0.0%
Total	4	100.0%

Do you think that if such an Adaptive Learning System is created that this should be used by the colleges of education that prepare students to be post-primary teachers of Mathematics?



#### Question 16.1

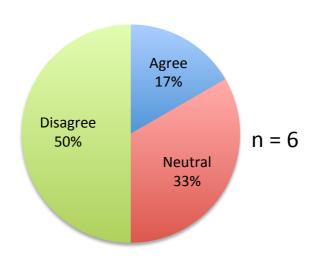
Which representation of the domain model did you prefer and why: (GAM Authoring Tool, Mindomo, Rhumbl) $n = 6$	TOTALS	%
GAM Authoring Tool	3	50.0%
Mindomo	0	0.0%
Rhumbl	2	33.3%
All Three	1	16.7%
Total	6	100.0%



#### Question 16.2

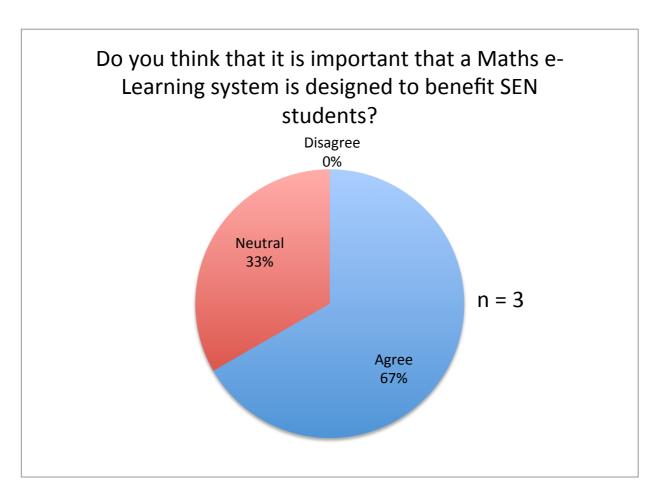
Do you think that an electronic textbook that mimics the traditional hard copy version, with chapters, topics and sub-topics is preferable to a map-driven digital system that would use some or all of the maps **TOTALS** % n = 61 Agree 16.7% Neutral 2 33.3% Disagree 3 50.0% Total 6 100.0%

> Do you think that an electronic textbook that mimics the traditional hard copy version, with chapters, topics and sub-topics is preferable to a map-driven digital system that would use some or all of the maps we have explored here today?



### Question 17.1

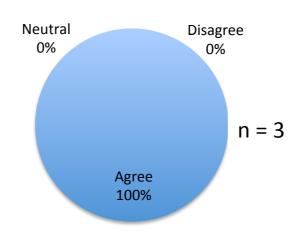
Do you think that it is important that a Maths e-Learning system is designed to benefit SEN students? $n = 3$	TOTALS	%
Agree	2	66.7%
Neutral	1	33.3%
Disagree	0	0.0%
Total	3	100.0%



#### Question 17.2

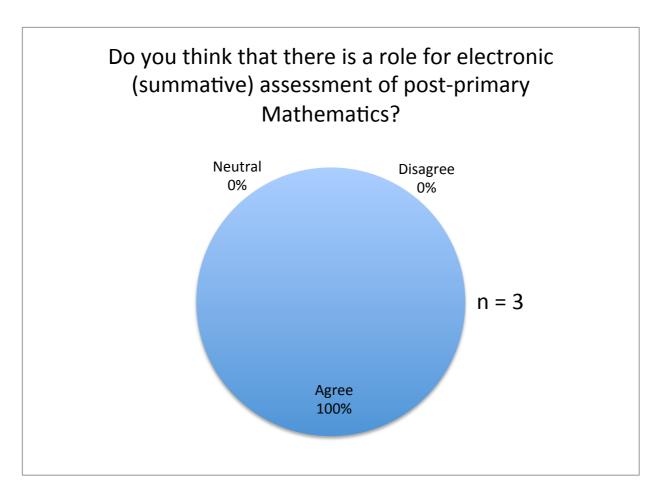
Do you think that a domain model driven adaptive learning system for post-primary Mathematics that creates individual learning pathways for each student would be desirable and/or beneficial for **TOTALS** % n = 3Agree 3 100.0% Neutral 0 0.0% Disagree 0 0.0% Total 3 100.0%

Do you think that a domain model driven adaptive learning system for post-primary Mathematics that creates individual learning pathways for each student would be desirable and/or beneficial for SEN students who are withdrawn from class for extra Maths and



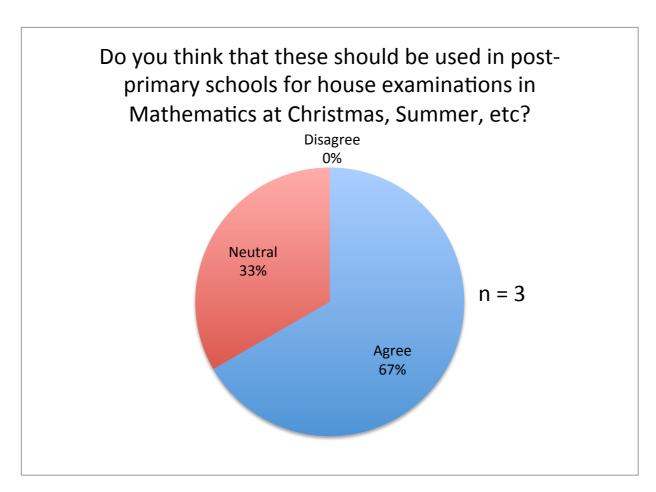
### Question 18.1

Do you think that there is a role for electronic (summative) assessment of post-primary Mathematics? $n = 3$	TOTALS	%
Agree	3	100.0%
Neutral	0	0.0%
Disagree	0	0.0%
Total	3	100.0%



### Question 18.2

Do you think that these should be used in post-primary schools for		
house examinations in Mathematics at Christmas, Summer, etc?	TOTALS	%
n = 3		
Agree	2	66.7%
Neutral	1	33.3%
Disagree	0	0.0%
Total	3	100.0%



#### Question 18.3

Do you think that these should be used in post-primary education for State examinations in Mathematics for Junior Cycle, Leaving Certificate, etc?

Certificate, etc? n = 3	TOTALS	%
Agree	1	33.3%
Neutral	2	66.7%
Disagree	0	0.0%
Total	3	100.0%

