# Mathletics and Singapore/Shanghai Maths

#### Mathletics supports teaching using the best from the Singapore and Shanghai maths teaching models.

Students develop a **strong conceptual understanding** through exposure to a variety of models and approaches.

Number sense and fluency are reinforced through repeated and varied practice.

Students develop confidence in using their maths knowledge from an early age through contextualised and applied problems.

Powerful reporting tools monitor student **concept mastery** and enable the teacher to quickly see pupil and class strengths and weaknesses.

### Developing Number Sense and Fluency



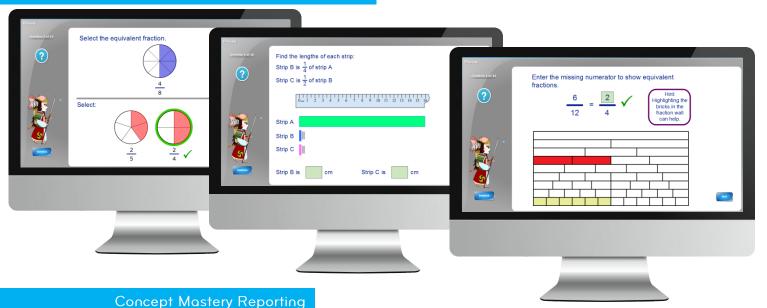
#### Concrete-Pictorial-Abstract Modelling



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### A Variety of Conceptual Approaches



Teachers see mastery as it occurs

Activity Mastery	Po	articipation Live		Mathletics		Total		Weaknesses	Str	engths								Cox,	, Joe
The Coxs				Test Results		lts		Topics		Student		lent	Activities				Stud		dent
Cox, Joe	^	28 July 2014 - 26 July 2015					Addition & Subtraction			10	0%	Nearest 10?				> 100%			
England Year 6 2014NC		11				157		Whole Numbers			9	4%	Near	est 10	0?			> 1	00%
wil ale Numbers	^	10			15		%				- %	Nearest Whole Number					> 1	00%	
Activity		Results				Attempts		-				- %	Place	e Value	e to Mill	lions		> 1	00%
Are You Ready?	No.	11030113			100%	1		-				- %	Near	est 10	00?			> 1	00%
Comparing Numbers	(				100%	2													
Nearest Whole Number	(	100%			1		Certificate Awarded			Stud	lent U	Jsage Time Activity Live				Lhan	C		
	,							1 0	0		Sign-Ins				Points			Connector Points	
Nearest 10?	>				100%	1					5		1h 13min		1,850 19		192	0	
Nearest 100?	>				100%	1													
Nearest 1000?	>	100% 2 Live Mathletics Fluency																	
Numbers from Words to Digits 2	>				100%	1		Level		1	2	3	4	5	6	7	8	9	10
Numbers from Words to Digits 3	>				100%	1		Student Average	Points	36	46	-	-	-	-	-	-	-	-
Partition and rename 3	>	30%				6		Student Accurac	У	100	96	-	-	-	-	-	-	-	-
Place Value to Millions	>				100%	3		Student Top Sco	re	41	23	-	-	-	-	-	-	-	-
								National Grade A	Average	23	21	20	14	7	4	4	2	1	0
Student Score In Activitie	es	≥85%	50	)-84%	<	50%		World Grade Ave	erage	25	22	22	15	8	3	3	1	0	0

