Rainow Round-Up MATHS UPDATE January 24



'Going beyond just knowing.'

The National Curriculum aims for all pupils to: calculate with fluency, reason mathematically, and solve problems.

Whilst we recognise the importance of children being able to accurately and efficiently calculate, and quickly recall their FUNDAMENTAL FACTS, this year, we have been working hard to develop the children's problem solving and reasoning skills: creating *mathematicians* over computers.

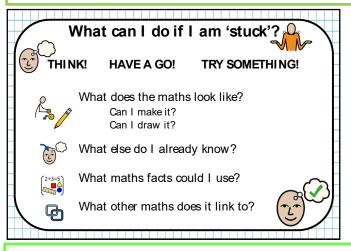
'Mathematical thinking is not about speed. Mathematical thinking is not about memorising methods.'

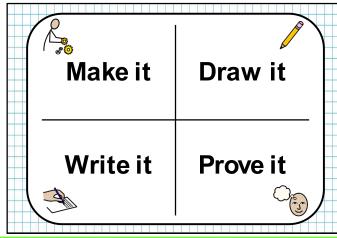
Professor Jo Boaler 2015, 'Mathematical Mindsets' https://www.youcubed.org/wp-content/uploads/2019/08/WIM-What-Does-it-Mean-to-be-Great-at-Maths-1.pdf

	"Mathematical reasoning, even		
Mathematicians:	more so than children's knowledge		
	of arithmetic, is important for		
☐ Like maths	children's later achievement in mathematics." Nunes et al. (2009) p.1 this complete problems. imbers involved. t.		
☐ Get things wrong!			
☐ Spot errors and correct them.	e encourage the children to reflect		
☐ Understand that learning can be tricky.☐ Are resilient.	on their learning behaviours.		
Do you show these qualities in maths lessons?			

Our visual prompts promote independent mathematical thinking.

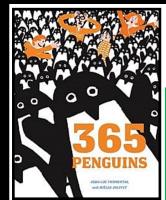
Could you use them when your child is working at home?





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365 PENGUINS — our whole-school problem-solving event.

Each class has been using this book as a context for their maths learning.





Our Reception children are proud of their subitising: recognizing amounts without counting is an important skill understanding the value of numbers.







Year One have used lots of resources and drawings to work out solutions to questions such as 'How many eyes? 'and 'How many feet?'. Some of them now, very proudly, know that there are 365 days in each year!





Year Five applied their knowledge of cube numbers and months of the year.

Year Four worked logically to organize the penguins into boxes of 12, using and applying their times-table knowledge. They are developing different ways to record their thinking: drawings, jottings and creating tables.



It is okay to get things wrong. Year Six have learnt to go back and look for their errors and reflect on their learning.

Creating tables helps us organize our workings out.

You can get more information about our maths curriculum from your child's teacher or Mrs Eddie, (Maths Subject Lead and Specialist Primary Mathematics teacher).