## Maths lesson – The world's number systems

LO: To develop my understanding of the world's number systems

Planned by Matilda Munro for Two Temple Place, 2015

Main teaching	Activities - Differentiation	Plenary
CCL – History (Ancient Egypt), Geography	Activity – MA groups	Share what they found easy and difficult about today's lesson.
Explain to the children that today they will be investigating number systems from around the world in pairs.	First children need to work out how to fill in the missing numbers in each hundred square.	What did they find most interesting?
Q: Does anyone know how to say the numbers 1 – 10 in	Teachers can change the problems to suit their classes.	RESOURCES
Q: Does anyone know how to write the numbers 1 – 10 in another language? Q: What other countries use the same digits as we do? Q: Do you know of any other languages that use different	EAL / SEN: Supported in MA pairs. Speaking frame:	Bold = in pack Not bold = needs to be provided by school Worksheets
symbols? Today we will be focusing on the number symbols used in Ancient Egypt, China, Bangladesh and countries that speak Arabic.	I think the missing number is because I think you'd write it like this because	
Show a normal hundred square with numbers missing.	<b>G&amp;T:</b> Can they write their own word problems using numbers in a	
Q: Which numbers are missing? How did you know?	different language?	
Explain that they could work out what was missing even if they didn't know the numbers by looking at the patterns.	Assessment Success criteria:	
Q: What patterns can they see?	I know that different countries use different number systems today.	
Show a Chinese hundred square with numbers missing	I know how the Ancient Egyptians recorded numbers.	
Q: Which numbers are missing? How can we work out how to write them?	I can deduce numbers in foreign number systems.	
Discuss Ancient Egyptian number system being very different. Show them and model writing some numbers.	l can solve problems in foreign number systems.	
Q: What are the disadvantages of the Egyptian system com- pared to ours?		
Model doing a sum		
Children to do activities in MA pairs.		

Resources for Egyptian Maths Lesson Egyptian Number System



Link to image: https://hu.wikipedia.org/wiki/F%C3%A1jl:Egyptian\_numbers.jpeg

## Problems:

Tutankhamun has 100 fields and wants to share them equally between his 10 friends. How many fields will each friend get?

Each boat can carry 8 planks of wood. If Queen Hatshepsut has 5 boats, how many planks of wood can she carry?

Problems:

二十 + 五 =

三十八 - 六 =

十五 + 九 =

五十 - 十 =

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四十一	四十二	四十三	四十四	四十五	四十六	四十七	四十八		五十
五十一		五十三	五十四	五十五		五十七	五十八	五十九	
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八十一		八十三	八十四	八十五	八十六	八十七	八十八	八十九	九十
<u> </u>	九十二	九十三	九十四		九十六	九十七		九十九	一百

Arabic Number System

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HINT – Where is number 1? What is different about this hundred square?