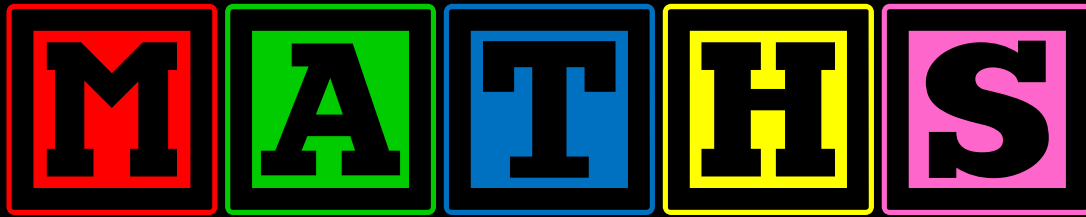


Marvellous



Creating positive memories of doing maths together as a family is an important step in building a confident, can-do attitude towards maths.

Please visit the following links for ideas to help support learning numeracy at home.

<https://www.mathsontoast.org.uk/fun-maths-at-home/maths-resources/>

<https://www.lovemaths.me/games>

<https://numeracyguidedet.global2.vic.edu.au/numeracy-at-home/>

<https://www.numeracyathome.com/>

<https://education.abc.net.au/newsandarticles/blog/-/b/2371424/numeracy-tips-for-parents-and-caregivers>

https://www.nationalnumeracy.org.uk/news/free-family-maths-activities-children-aged-4-11-0?utm_source=FMT

<https://www.discovery.edu.hk/dcwebsite/wp-content/uploads/2018/10/PYP-Maths-Activities-for-Numeracy-at-home.pdf>



Checkerboard Math

How many different ways can you count the squares on a checkerboard? Of course, the squares can be counted one at a time. How about counting the red squares, then counting the black squares? Can we count by 2s? Can we count the squares by adding? by multiplying? See how many ways of counting the squares your child can identify.



More or Less

Divide a deck of playing cards into two even stacks. You and your child turn over one card at a time and compare: *Is mine more or less? How many more? How many less?* The player with the greater value card takes both cards. When the stacks are gone, who has the most cards? With older children, draw two cards at a time and add them.



Weekly Family Maths Challenges

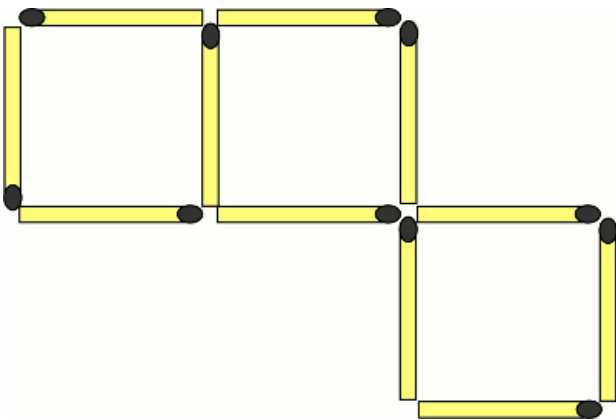
Now have some fun!

Number sentences

<https://www.youtube.com/watch?v=DQj96J-W43Q&feature=share&fbclid=IwAR0UV8Zq6Ebinrc1ksVFd25VG0w8WonMxk4n62slrVaTXC2ydZD7FK6Wmq4>

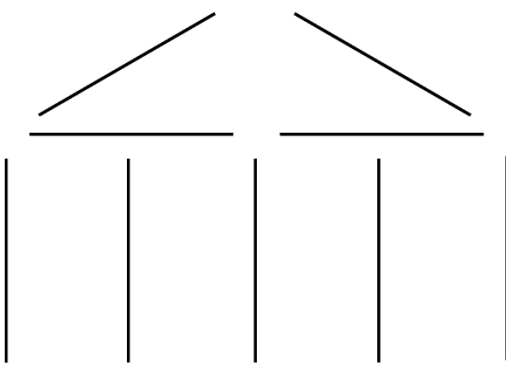
A matchstick puzzle

Move 3 matches to show 2 squares.



How many squares can you make?

The shape below represents a farm house. Take 11 of your equal straight lengths and rearrange them into the following shape:



1. By moving 2 lengths (pens/matchsticks/toothpicks), how many squares can you make? You may lay lengths on top of one another. Can you make 8, 10 or even 11 squares?
2. By moving 4 lengths (pens/matchsticks/toothpicks), how many squares can you make? You may lay lengths on top of one another. Can you make 8, 10, 11 or even 15 squares?

Answers will be in the next newsletter.

Sue Kelly

Mathematics Learning Specialist

***** ANSWERS FROM LAST WEEK**

Sudoku

1		3	
	4	2	1
			2
		4	

Answer

1	2	3	4
3	4	2	1
4	3	1	2
2	1	4	3

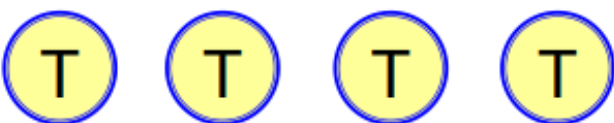


Puzzle time

Head over tails

Money on my mind again!

Put four coins on a table, in a row, all tails up, like this:



Turn any three coins over: this counts as one move.

You must turn three different coins to complete one move!

How many moves will it take to get all the coins on heads?

Remember: you have to turn three coins over each move.

Answer

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Puzzle time

Head over tails - answer

Remember what you had to do: turn any three coins over at a time. How many moves will it take to get all the coins as heads?

The answer is 4, like this:

Move 1:

H	H	H	T
↓	↓	↓	↓

Move 2:

H	T	T	H
↓	↓	↓	↓

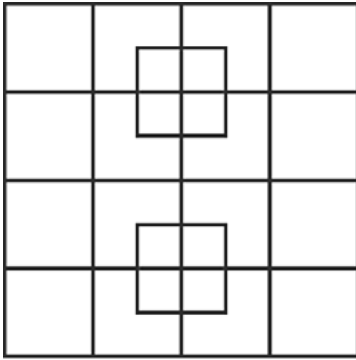
Move 3:

T	T	H	T
↓	↓	↓	↓

Move 4:

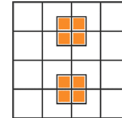
H	H	H	H
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How many squares?

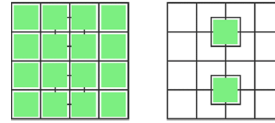


Answer: 40 squares

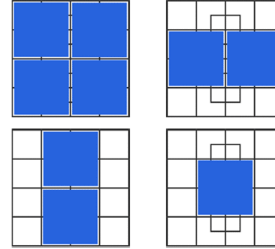
8 extra-small squares:



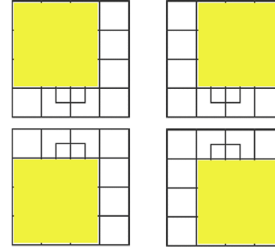
18 small squares:



9 medium squares:



4 large squares:



1 extra-large square:

