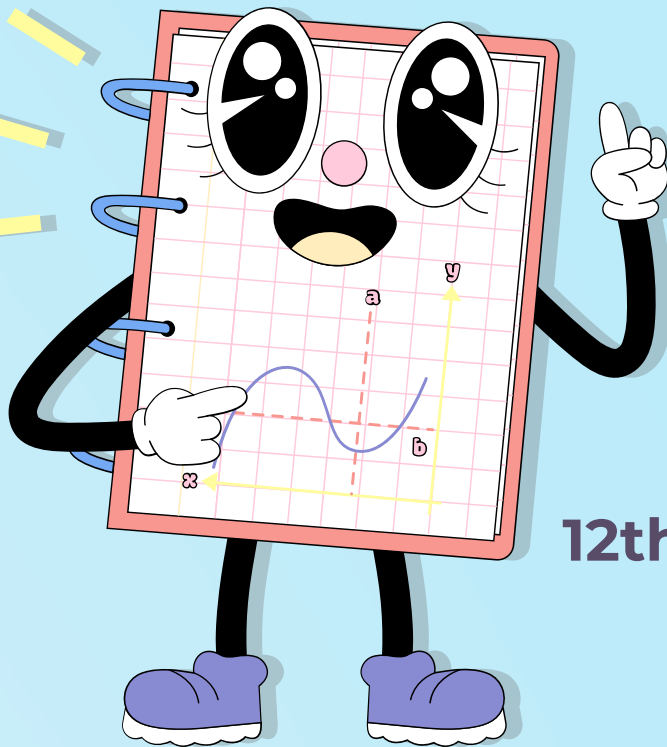


Maths Week Activity Book

Mazes
Picture equations
Riddles
Word puzzles
Code breaking



Maths Week
12th-20th October 2024

MATHS WEEK



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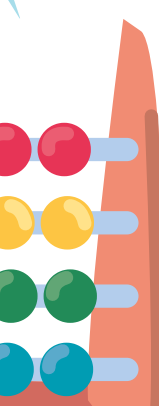
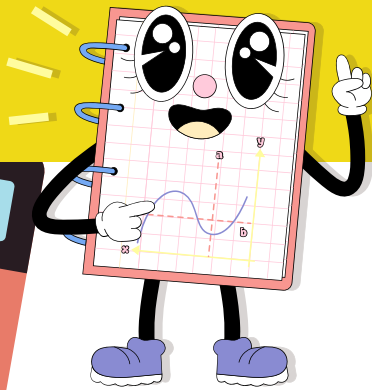
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STEM ENGAGEMENT CENTRE

libraries.
fingal.ie



Picture equations



In the library, we have made some picture equations. See can you find the values of the symbols and the ? in the following puzzles.

$$\text{Book with stars} + \text{Book with stars} = 8$$

$$\text{Pencil} + \text{Book with stars} = 7$$

$$\text{Pencil} + \text{Book with lines} = 5$$

$$\text{Book with stars} + \text{Book with lines} = ?$$

$$\text{Book with stars} + \text{Book with stars} = 10$$

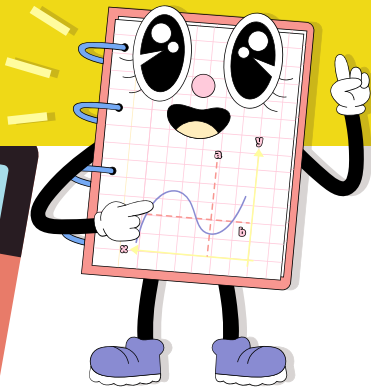
$$\text{Pencil} + \text{Book with stars} = 8$$

$$\text{Book with stars} - \text{Book with lines} = 1$$

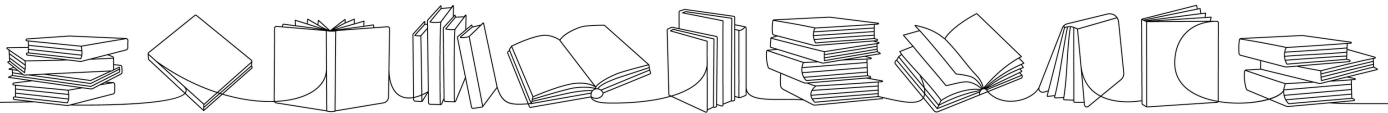
$$\text{Book with stars} \times \text{Pencil} = ?$$



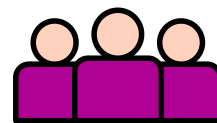
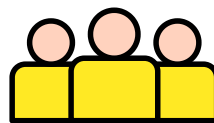
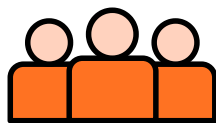
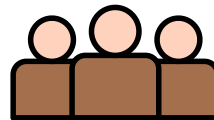
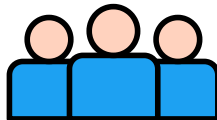
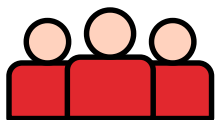
Picture puzzles



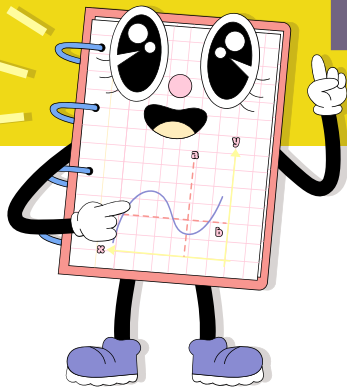
Liam, Sinead, Luke and Amy meet up for Book Club at the library. Each person shakes hands with every other person once. How many handshakes are there in total?



There are 6 teams- red, blue, brown, orange, yellow and purple- playing maths games in the library. Each team plays every other team twice. How many games are there in total?



Secret Code Breaker



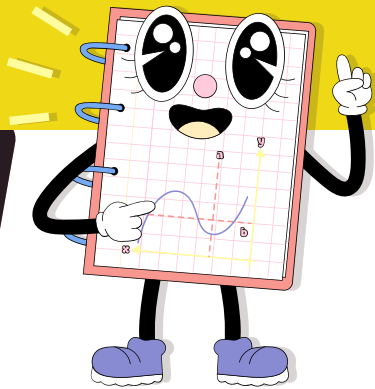
Can you break the code?

	A		N
	B		O
	C		P
	D		Q
	E		R
	F		S
	G		T
	H		U
	I		V
	J		W
	K		X
	L		Y
	M		Z

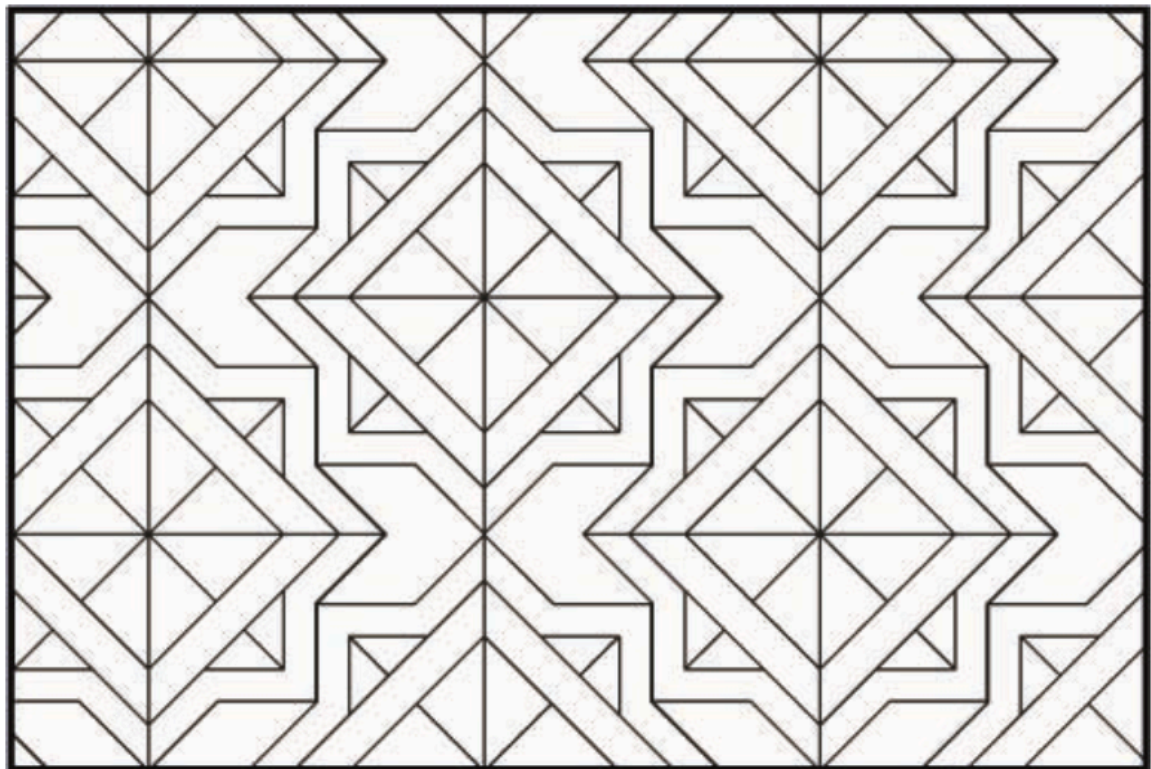
Break the code to figure out the secret library message below



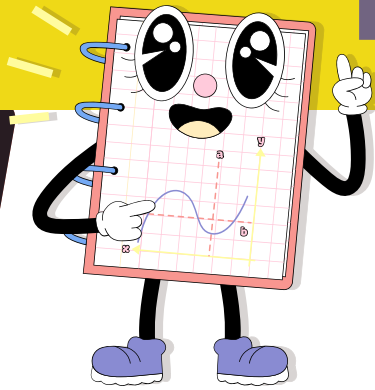
Maths and Art



There are lots of links between Maths and Art. Can you colour in the pattern below so that no area shares an edge with an area of the same colour? Is this possible using only 4 colours?



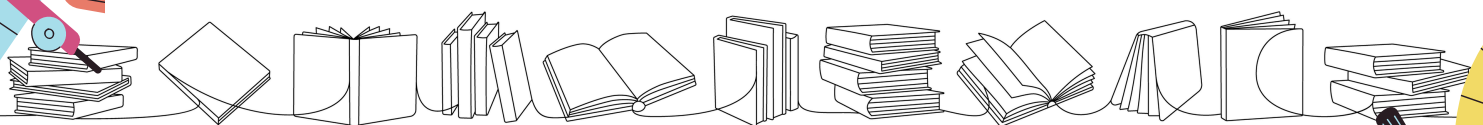
Words and letters puzzles



This square has eleven letters missing, which you have to replace. Every row, column AND the main diagonals must contain all the letters in the word "READS".

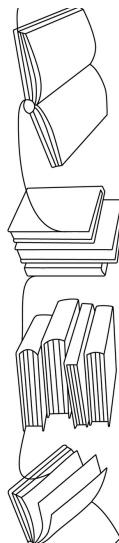
SQUARE READS

R	E	A	D	S
	S	R	E	
		D		R
	R	E		
		S	R	



LIBRARY EYES

You knock a chair over in the library, and suddenly 20 eyes are looking at you. How many people are in the library?



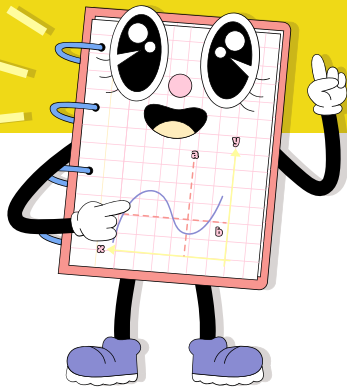
MAKING WORDS

Some letters have floated out of the book! How many words can you make from these letters in five minutes? You can use the same letter in a word more than once.

A R T C
I S M E
H O K L

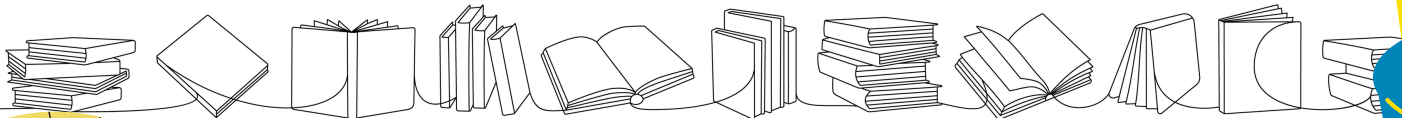


Riddles



One class visited the library. Three-quarters got lost in the woods. Only 6 reached the library. In the end they all found their way back to the bus. How many children were there in the class?

There were _____ children in the class.



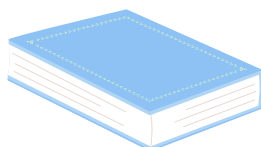
The librarian has hidden bookmarks in different books! Which book will you choose to have as many bookmarks as you can?



The red one has the double of 3



The green one has the triple of 2



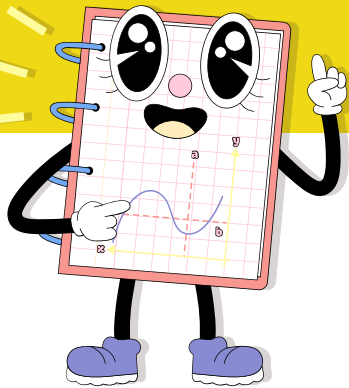
The blue one has the half of 14



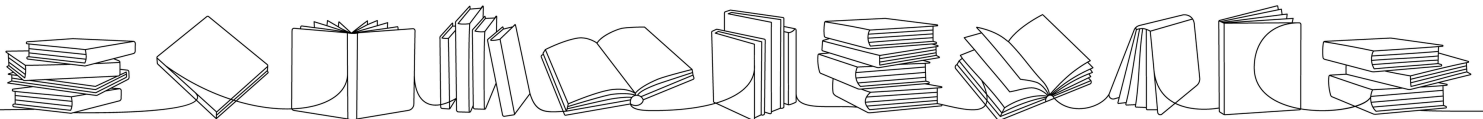
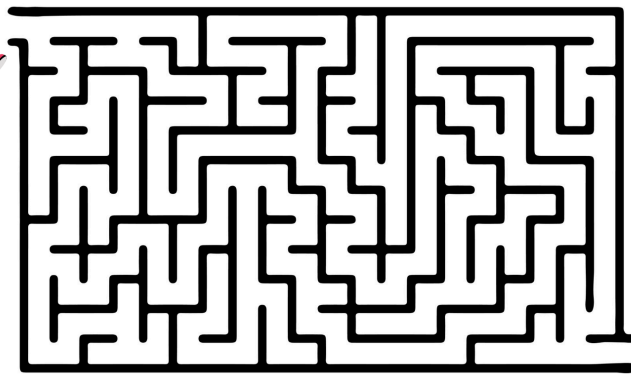
The yellow one has the third of 15



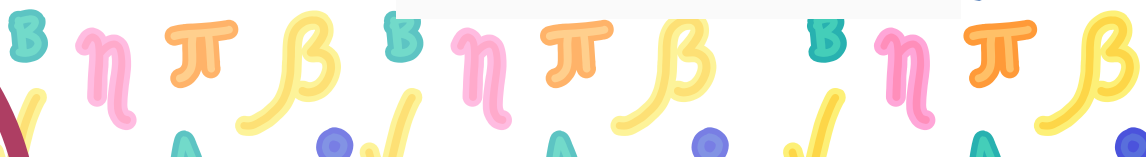
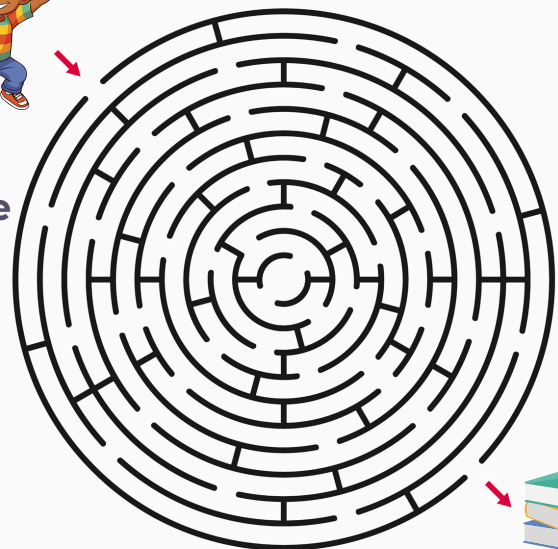
A-maze-ing!



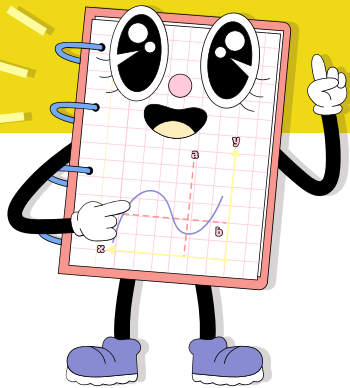
Can you help the girl make her way through the maze to the library?



The boy needs to get through the maze to find his books!
Can you help him find the way?



Colour sums



$$4 + 3$$

$$5 \times 2$$

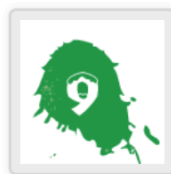
$$6 + 5$$

$$10 - 1$$

$$4 \times 2$$



Help the librarian to colour the books. Do the maths and colour in each book with the correct colour using the code below.





Congratulations! You have finished our Maths Activity Book!

**To find out more about Maths
Week please visit the website
<https://www.mathsweek.ie/2024/>**

Or scan the QR code below:

