MIC Maths Puzzles



Dr. Maeve Liston, Director of Enterprise & Community Engagement, Senior Lecturer in Science Education









Take a picture of your solutions & tag us in your posts!

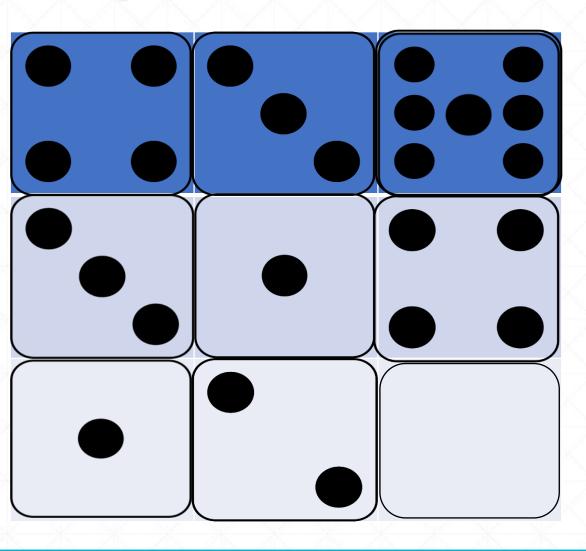
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Dotty Squares

Discover the pattern in the grid, and draw the correct number of dots in the blank square.





Puzzle time

Which two clocks are the odd ones out?

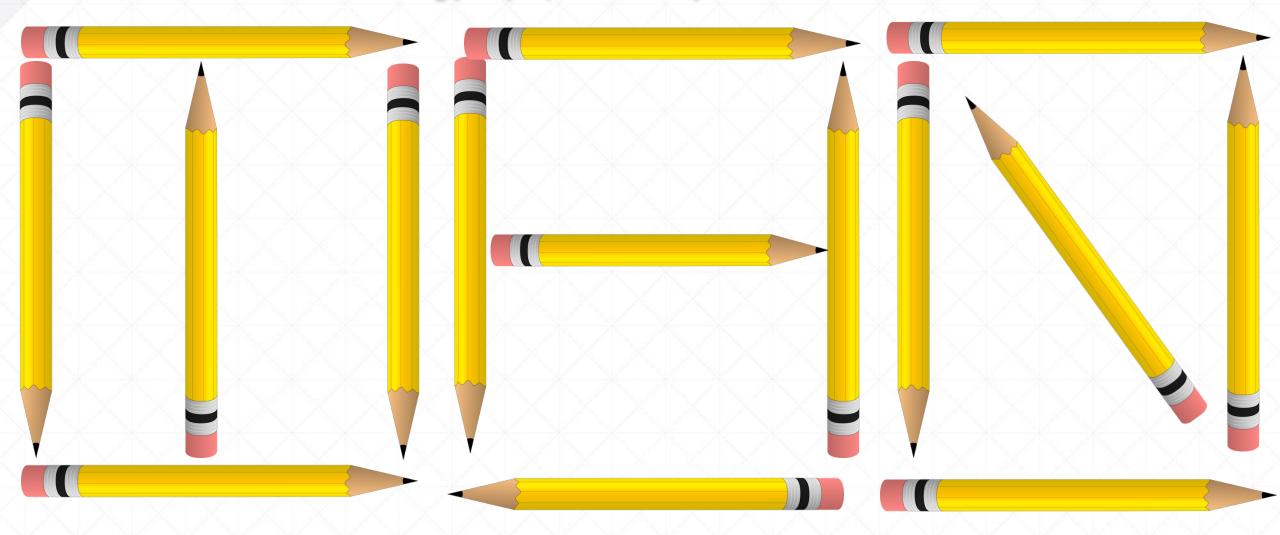






Pencil Puzzle

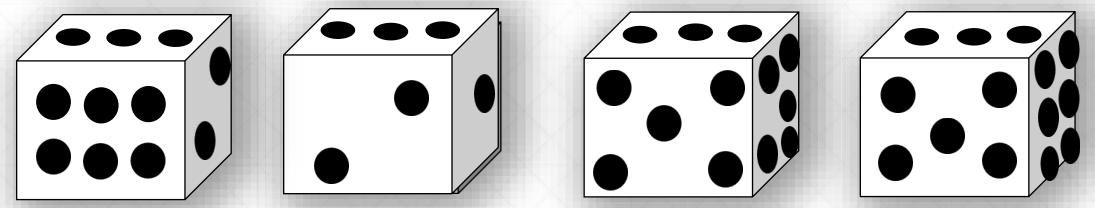
Using your pen, cross out six pencils to make ten



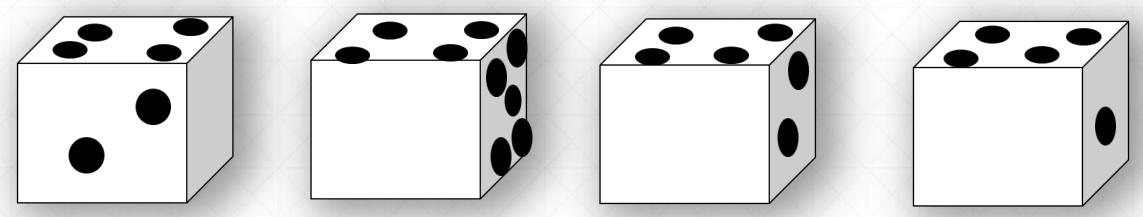


Dotty Problem

These four dice show which number is on which side if a dice is rotated while keeping "3" on top.



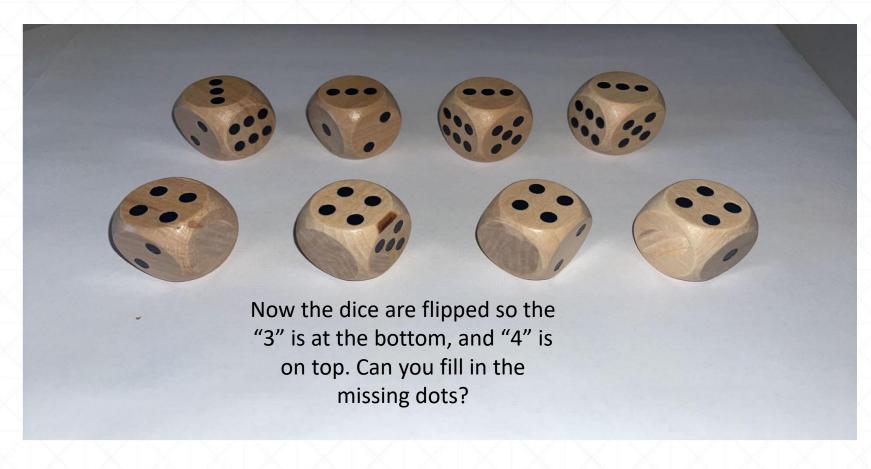
Now the dice are flipped so the "3" is at the bottom, and "4" is on top. Can you fill in the missing dots?





Dotty Problem

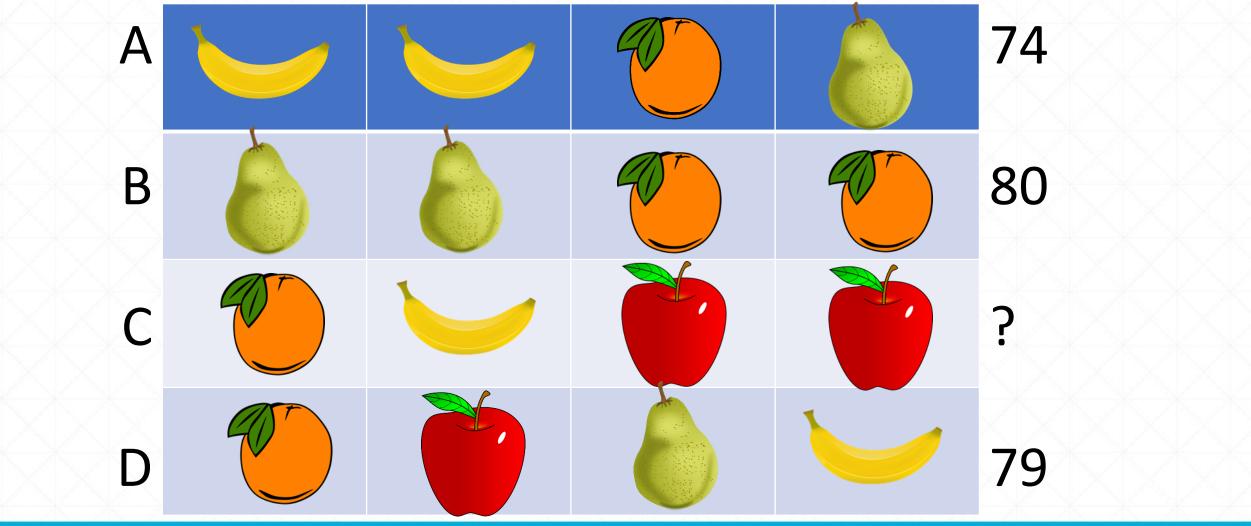
These four dice show which number is on which side if a dice is rotated while keeping "3" on top.





Fruit Salad

Mr Morton the greengrocer is a retired maths teacher who still likes to set problems for his customers. All Bob and Annie want to do is buy a few pieces of fruit, but first they have to work out the value of the fruit in row C. All they know is the values of the other rows, and that an orange costs 21p- can you help them solve the problem?





Cabbage Conundrums

Mr Till is very proud of his garden, especially his vegetable patch, and in particular his cabbages.

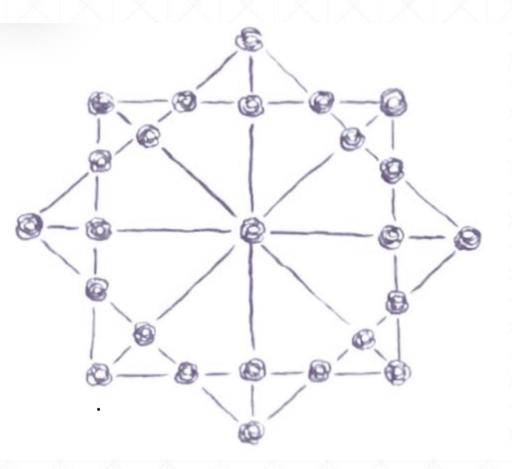
His cabbage patch is arranged as shown at the moment, but he would like to change their configuration so that he has twelve rows of five cabbages in each row.

Unfortunately he is no mathematician and needs your help to rearrange his cabbage patch. Can





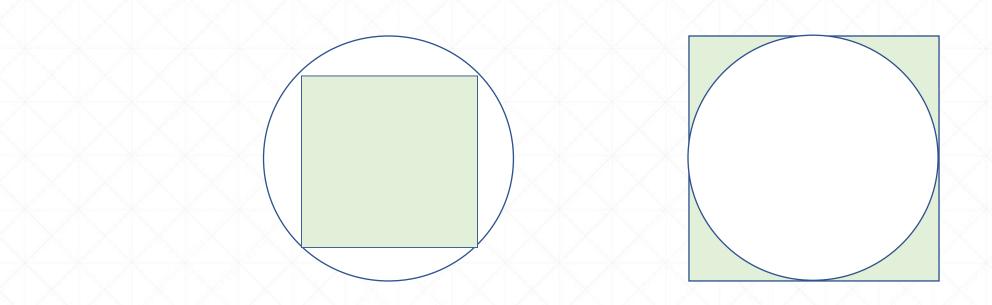
Answer to Cabbage Conundrum





Square The Circle

• If the squares in both A and B are exactly the same size, what is the relationship between the sizes of the two circles?





Tankard

You have three tankards which hold respectively eight pints, five pints and three pints. There are
no measurements on these tankards, so the only exact quantities you can know are "full" and
"empty". The tankard which holds eight pints is filled with liquid. Find the most efficient way,
using these three tankards;, to end up with exactly four pints of this liquid in each of the two
larger tankards.





Apples, Oranges and Pears

• On three separate trips to the greengrocers the following combinations of fruit were purchased for the total cost shown. The price of each fruit did not change. What is the total cost of an apple,

