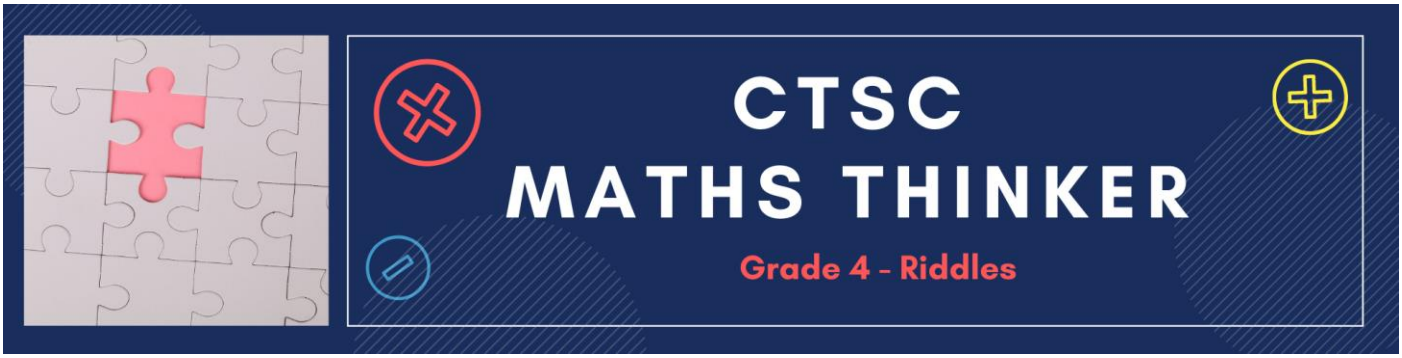


This week we will be solving some tricky RIDDLES with the Grade 4 learners. Scroll through the images below for the images that link to the questions.

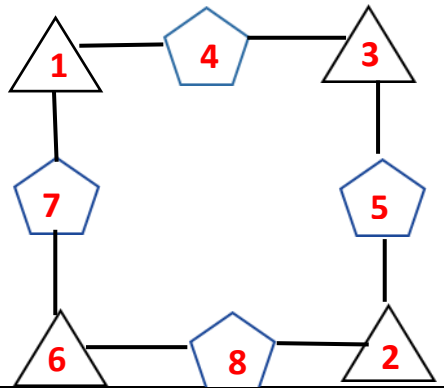
MEMORANDUM

Place 6 crosses in the squares on the board so that no cross is in the same line (horizontal, vertical or diagonal) of another cross.

			x	x	
x		x			
x				x	
	x				x
			x		x
	x	x			

Two solutions
X and X

Write the digits 1, 2, 3, 4, 5, 6, 7 and 8 so that the numbers in the pentagon are equal to the two numbers in the triangles added together. Each digit can only be used once.
There are 8 possible solutions, this is one example.



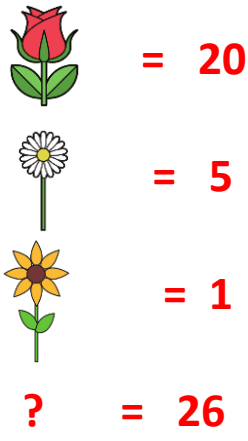
In a magic square, each row, column and diagonal add up to the same total. Can you fill in the missing numbers in these magic squares?

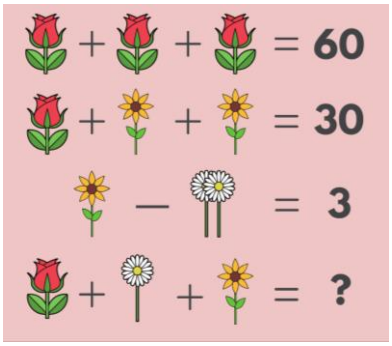
The sum is 15

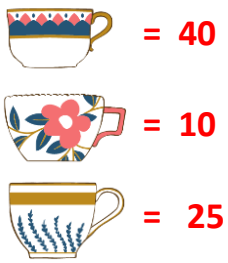
2	7	6
9	5	1
4	3	8

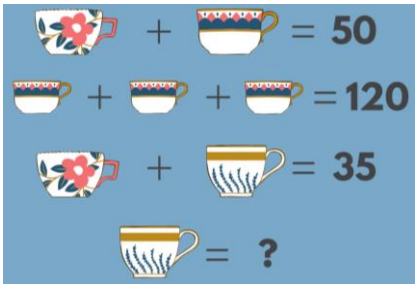
The sum is 30

16	6	8
2	10	18
12	14	4









What is missing?

1	2	3	4	5	6	7	8	9
10	11	12	13	14	15	16	17	
18	19	20	21	22	23	24	25	
26	27	28	29	30	31	33	34	
35	36	37	38	39	40	41	42	
43	44	45	46	47	48	49	50	
51	52	53	54	55	56	57	58	

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What is missing?

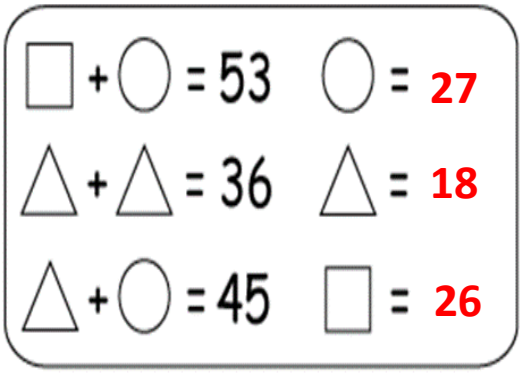
1 = 5

2 = 25

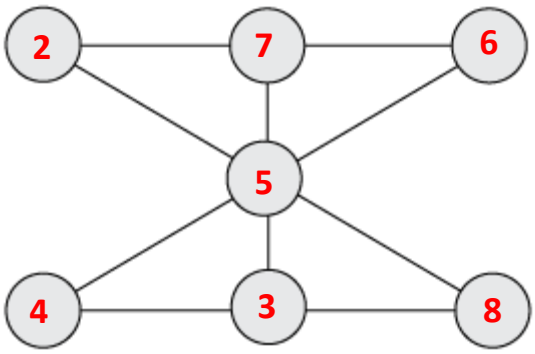
3 = 125

4 = 625

5 =1



Fill in the numbers 2 to 8 so that each line adds up to 15. Each number can only be used once.



For each pyramid try to figure out which number comes on top.