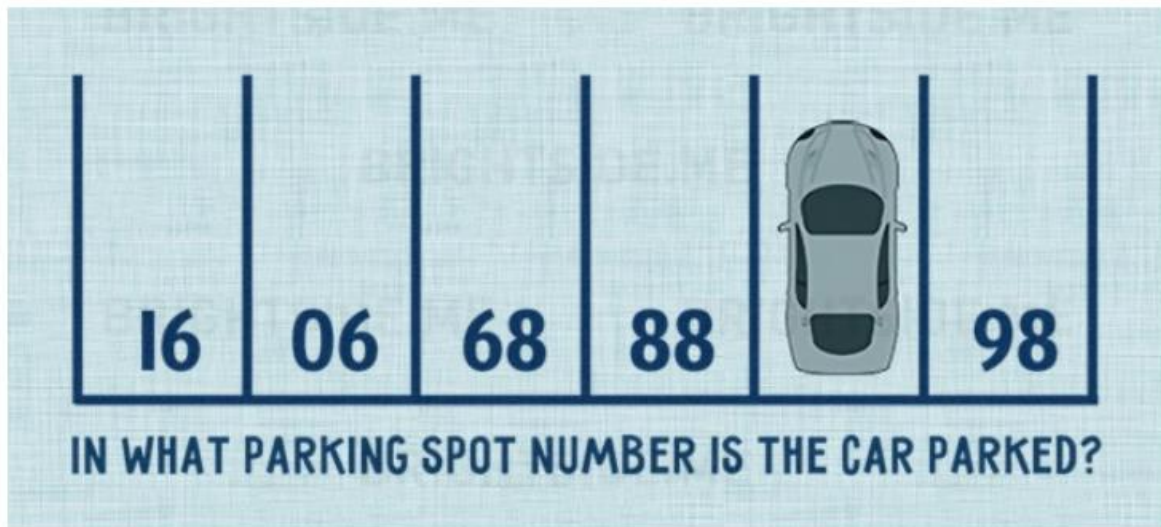


Year 6 Puzzles

Some of these really made me think! It's important to not give up and to think it over for a bit. One of the puzzles took me a couple of days! See if you can persevere and crack the codes!

Puzzle 1. A parking spot

This simple puzzle was given to first graders in Hong Kong as an entrance exam. Kids cracked it in just a few seconds.



Puzzle 2. The four-digit numbers

Preschoolers can crack this one in five to 10 minutes; educated programmers in an hour!

8809 = 6
7111 = 0
2172 = 0
6666 = 4
1111 = 0
3213 = 0
7662 = 2
9313 = 1
0000 = 4
2222 = 0
3333 = 0
3555 = 0
8913 = 3
8096 = 5
7777 = 0
9999 = 4
7756 = 1
6855 = 3
9881 = 5
5531 = 0
2581 = ????

Puzzle 3. A numerical pyramid

Third graders in Singapore solve brain teasers and numerical puzzles like this one in a couple of minutes.

STUDY THE PYRAMID CAREFULLY.

The pyramid consists of four rows of boxes. The top row has one box labeled 'E'. The second row has two boxes: '1110' on the left and 'D' on the right. The third row has three boxes: '446' on the left, '679' in the middle, and '681' on the right. The bottom row has four boxes: '198' on the far left, '263' on the left, '431' on the right, and '265' on the far right.

WHAT ARE THE VALUES OF E AND D?