

Treasure of Classic
and Modern Puzzles

Puzzles with Numbers



Divisible By 7

after Sam Loyd

Three numbers (6, 3 and 1) are drawn on the sides of three cubes - a number per cube, just as shown in the illustration.

Can you arrange the three cubes in a line so that to create a 3-digit number divisible by 7? Each cube must be employed.

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Divisible By 7 (solution)

The trick behind this puzzle is to use the cube with number 6 as a cube with number 9 instead. Thus the resulting number is 931 - as shown in the illustration.