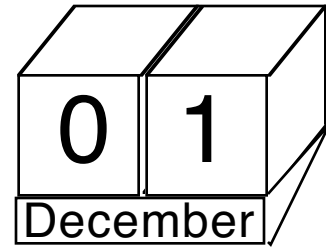


CALENDAR CUBES

A company wanted to make a calendar by using two cubes to display all of the dates from the first of the month to the thirty-first of the month. On each side of each cube was written a single digit. Figure out which six digits should be written on each cube.



Solution:

To represent all of the numbers, each cube MUST have a 0, 1, and 2. This uses 6 of the 12 faces. There are 6 faces remaining, but 7 digits: 3, 4, 5, 6, 7, 8, 9. It doesn't matter which cube gets which digit if you omit the 9. The "catch" is that the 6, turned upside down, becomes the 9.

