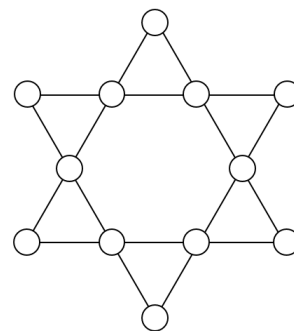## March 2017 Puzzle

Place the numbers 1—12 in the circles to the right, so that the sum of the four numbers along each of the six straight lines is the same.

March 2017 Solution

There are many possible solutions to March's Puzzle. According to one solver who wrote a computer program to generate all solutions, there are 960 solutions total (though this has not been formally confirmed). Of course many of these solutions are just rotations and/or reflections of one another. Below we provide just one of the many solutions.

Because each circle appears in exactly two lines, the sum of the totals of the six straight lines is equal to $2(1 + 2 + 3 + \cdots + 12) = 156$. Therefore, each of the six lines must have a total of $156 \div 6 = 26$.