Trivia Magic Square

You will need to determine the numbers for each of the math problems or trivia questions labeled **A** through **Y.** Then you will need to enter the answer in the corresponding box. When all the boxes are correctly filled in, every row, every column, and the two diagonals will all add up to the same sum (the MAGIC NUMBER!). Once you've determined the magic number by filling in five boxes in a row, you'll have a clue toward filling in the other boxes.

A	B	C	D	E
F	G	H	I	J
K	L	M	N	O
P	Q	R	S	T
U	V	W	X	Y

CLUES:

A. The number of days in a fortnight.

B. The number in a Baker's dozen.

C. The number of Wonders of the Ancient World.

D. The number of letters in the English alphabet.

E. The number of faces of an icosahedrons or the number of vertices of a dodecahedron.

F. The total number of pips on a standard die.

G. The number of balls used in a standard pool game – not counting the cue ball.

H. The number of players in the batting order of a baseball team.

I. The only cube that is one less than a square.

J. The cube root of this number is one more than the smallest prime.

K. The number of Quidditch players on all the house teams at Hogwarts.

L. The maximum number of pieces into which a round pizza can be cut by making 6 cuts.

M. The only integer n for which $n = x^y = y^x$, for $x \neq y$.

N. The base of common logarithms.

O. The only number whose spelling contains the same number of letters as the number itself.

P. The only prime that is the sum and difference of two primes.

Q. The two-digit number that is divisible by both the sum and the product of its digits.

R. The smallest number of people in a room where the probability of two of them having the same birthday is at least 50 percent.

S. The number feared by Pythagoreans, since it lies halfway between the only two integers that can be both the perimeter and the area of the same rectangle.

T. The number of flavors of ice cream at Baskin-Robbins minus the value of a score (as in four score and seven years ago).

U. The number of months in the Julian calendar.

V. The smallest perfect number.

W. The number of years that you must be married to celebrate your silver wedding anniversary.

X. The number of the amendment that gave women the right to vote.

Y. First determine the radius of a circle when the numeric values of the circumference and the area are equal. Then add to that number the base for the hexadecimal system.