Daily Mathematics / Week 13

1

Write an expression that is equal to 0, using each of the digits 0 through 9 once.

Example: $\frac{81}{9} - 7 - 2 + \frac{60}{5} - (3 \times 4) = 0$

2

The pilot of a jet plane warns the passengers to expect turbulence for the next 75 miles. Estimate the amount of time that the passengers might experience the turbulence.

3

In 8 years Kerry will be 4 times as old as she was 4 years ago. How old is Kerry now?

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On the dial of a telephone, letters are associated with the numbers as shown. Choose a friend's telephone number that does not include a 1 or an 0. Then make a word (or two small words) that you can use to call your friend, using one letter for each digit.

For example, to remember 842-8748, you might use the words THAT'S IT.

1	2	3
	ABC	DEF
4	5	6
GHI	JKL	MNO
7	8	9
PRS	TUV	WXY
	0	

Copy and complete the magic square. Use a calculator if you wish. Then turn the square upside down, and see if it still works. (You will have to read the decimal points as if they were in the regular place.)

9.6		6.1	1.9
1.1		8.6	
	9.1		
6.8	1.6		8.1