

**Logic Problem 1**

Time = \_\_\_\_\_

What number comes next in this sequence?

$$\frac{1}{5} \quad \frac{4}{7} \quad 1 \quad 1\frac{5}{11} \quad 1\frac{12}{13}$$

**Logic Problem 2**

Time = \_\_\_\_\_

What is the smallest number greater than 1000 that is divisible by 2, 3, 4, 5, 6 and 7?

Number = \_\_\_\_\_

### Logic Problem 3

Time = \_\_\_\_\_

Midway through the basketball season, Liam calculates that he has made 42.8% of his 306 free-throw attempts. How many more free throws would he have to make in a row, without missing, to raise his average to 50%?

Answer = \_\_\_\_\_

### Logic Problem 4

Time = \_\_\_\_\_

Cross out 23 letters from the set of letters below to spell out a 4 word sentence.  
Hint: Only one of the words is larger than 4 letters.

**STOIABLTIAVOAESIBHNOAVAINAROTGHWISNCA**

## Logic Problem 5

Time = \_\_\_\_\_

From the letters given, fill in the blanks to make real statements.

Example:      Given letters – BLAUDISGITLLN

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Answer:

T	A	L	L
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B	U	I	L	D	I	N	G	S
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Problem 1      Letters: LSROCMEADU

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Problem 2      Letters: TTTIAPSNHG

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## Logic Problem 6

Time = \_\_\_\_\_

I made a purchase under the following conditions:

There was a 25% discount because the item was on sale, another 10% discount because of the size of the purchase, and a 3% discount for my good looks (the woman was blind). These discounts were successive, meaning they were taken one after the other. In other words, I did not get a total of 38% off, but 25% off, then 10% off that new price, and then 3% off that new price. If I paid \$195.89, what was the original purchase price before any discounts were given?

### Logic Problem 7

Time = \_\_\_\_\_

Let each letter in the alphabet be given a value with the first letter being worth 1 and the next letter being worth 2, all the way to the last letter of the alphabet being worth 26. **Find 4 real words whose letters add up to 100.**

For example, the words printer, thirty, and excellent are all words that add up to 100. Obviously you can't use those as your choices.

I have given you the values below to save you time from listing them all out.

A = 1	E = 5	I = 9	M = 13	Q = 17	U = 21	Y = 25
B = 2	F = 6	J = 10	N = 14	R = 18	V = 22	Z = 26
C = 3	G = 7	K = 11	O = 15	S = 19	W = 23	
D = 4	H = 8	L = 12	P = 16	T = 20	X = 24	

EXAMPLE: Printer =  $16 + 18 + 9 + 14 + 20 + 5 + 18 = 100$

### Logic Problem 8

Time = \_\_\_\_\_

The letters A, B, and C stand for three different digits. None of the digits is a 0.

$$\begin{array}{r} A A \\ + B B \\ \hline C B C \end{array}$$

A = \_\_\_\_\_      B = \_\_\_\_\_      C = \_\_\_\_\_

# Logic 5

(Due Friday, March 7, 2014)

Name \_\_\_\_\_

Problem 1 Time = \_\_\_\_\_

Next number is \_\_\_\_\_

Problem 2 Time = \_\_\_\_\_

Number = \_\_\_\_\_

Problem 3 Time = \_\_\_\_\_

Answer = \_\_\_\_\_

Problem 4 Time = \_\_\_\_\_

Sentence = \_\_\_\_\_

Problem 5 Time = \_\_\_\_\_

1: \_\_\_\_\_

2: \_\_\_\_\_

Problem 6 Time = \_\_\_\_\_

Price is \_\_\_\_\_

Problem 7 Time = \_\_\_\_\_

Words: \_\_\_\_\_

\_\_\_\_\_

Problem 8 Time = \_\_\_\_\_

A = \_\_\_\_\_

B = \_\_\_\_\_

C = \_\_\_\_\_