

POW #2 - Logic Equations

Due Monday 8/27 at the beginning of class

As always, be sure to include a full write-up explaining your work.

In the following problem, the digits 0 to 9 are represented by letters. Within each separate puzzle the same letter always represents the same digit. Can you find the correct values each time so that all sums, both horizontal and vertical, are correct?

$$\begin{array}{r} ABCD \\ + \\ GHJK \\ \hline FFCH \end{array} \quad \begin{array}{r} \div \\ + \\ - \end{array} \quad \begin{array}{r} E \\ + \\ CKEF \\ CKGH \end{array} \quad \begin{array}{r} = \\ = \\ = \end{array} \quad \begin{array}{r} EFAF \\ + \\ KAEE \\ BGFH \end{array}$$

A	B	C	D	E	F	G	H	J	K

Clues: $3 \times CD = KF$

$2 \times K = F$

$F \div K = E$