



Problem of the Week Grade 11 and 12

Mathletes in Action

Four mathletes, Jen, John, JP and Judith, competed in the finals of the CEMC Mental Math Bowl. Prizes were awarded for the top three competitors as follows: first place received an anniversary Math Faculty Pink Tie, second place received a book of Brain Teasers, and third place received an “I Love Math” T-shirt.

Three staff members of the CEMC predicted how the prizes would be awarded.

- Dean predicted that Judith would win the pink tie, John would win the book and JP would win the T-shirt.
- Ian predicted that Jen would win the pink tie, Judith would win the book and JP would win the T-shirt.
- Sandy predicted that John would win the pink tie, Jen would win the book and Judith would win the T-shirt.

It turns out that each staff member predicted exactly one prize winner correctly.

Determine precisely how the prizes were awarded.

*Sample Question
from the CEMC
Mental Math Bowl*

$$\begin{array}{r} 936 \\ \times 11 \\ \hline ??? \end{array}$$

