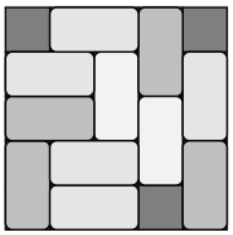
Beatrix places dominoes on a 5 × 5 board, either horizontally or vertically, so that each domino covers two small squares. She stops when she cannot place another domino, as in the example shown in the diagram.



When Beatrix stops, what is the largest possible number of squares that may still be uncovered?

A 4 B 5 C 6 D 7 E 8

In the addition sum shown, each letter represents a different non-zero digit. What digit does X represent?

$$\begin{array}{rcccc} & S & E & E \\ + & S & E & E \\ \hline A & X & E & S \end{array}$$

A 1 B 3 C 5 D 7 E 9