

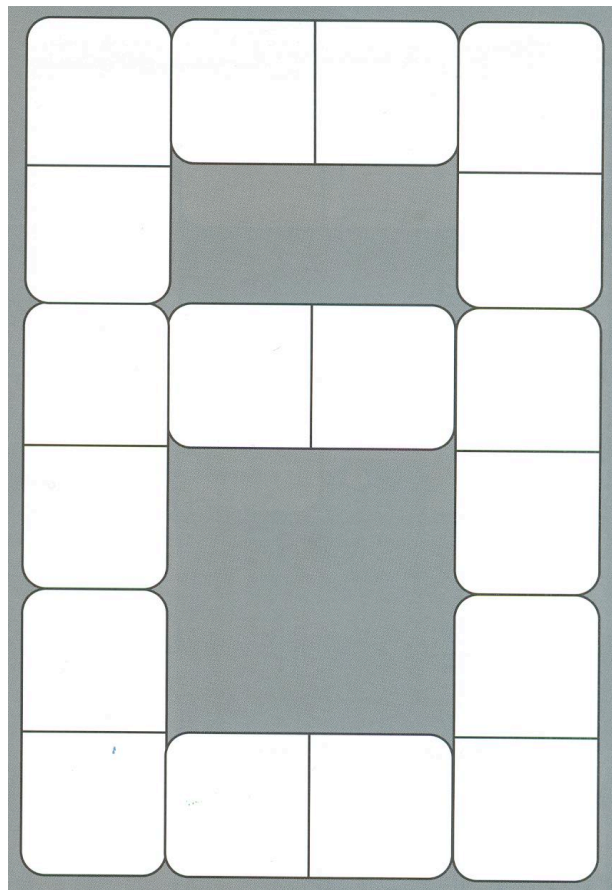
Mathletes Problem of the Week #6

Domino Networks



Cut out the dominoes attached and try to arrange them properly in the empty chains. Remember the rule for placing dominoes: when two dominoes touch, the numbers that touch must match.

- a) Arrange the dominoes following the rule. There will be one domino left over. (*There are several solutions. Can you find more than one way to do it?*)



from Fielker, *Domino Puzzles*

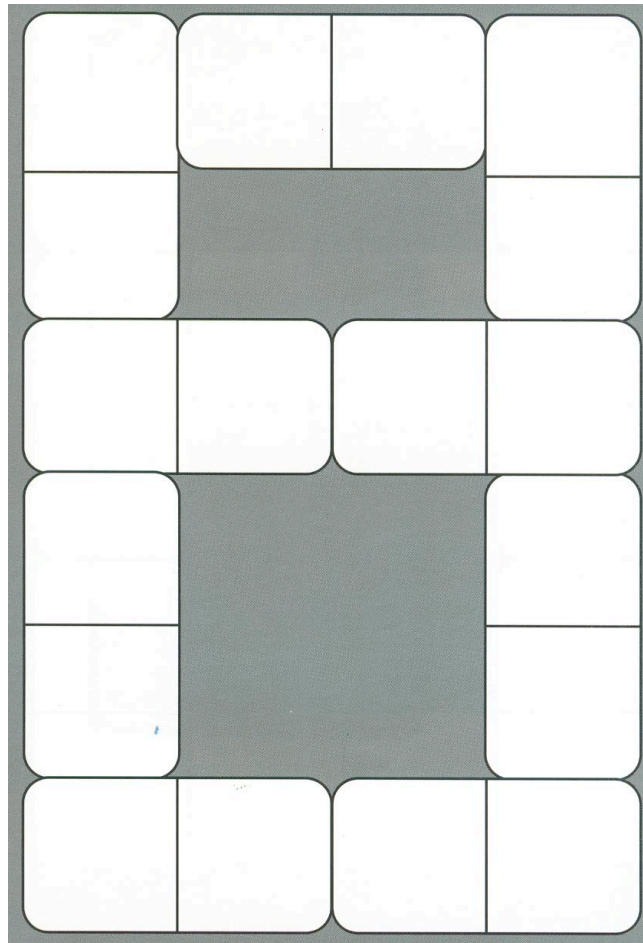
Solutions & Explanations: (How many of the attached networks can you complete! Glue or draw in your solutions.)

Name _____ Class _____

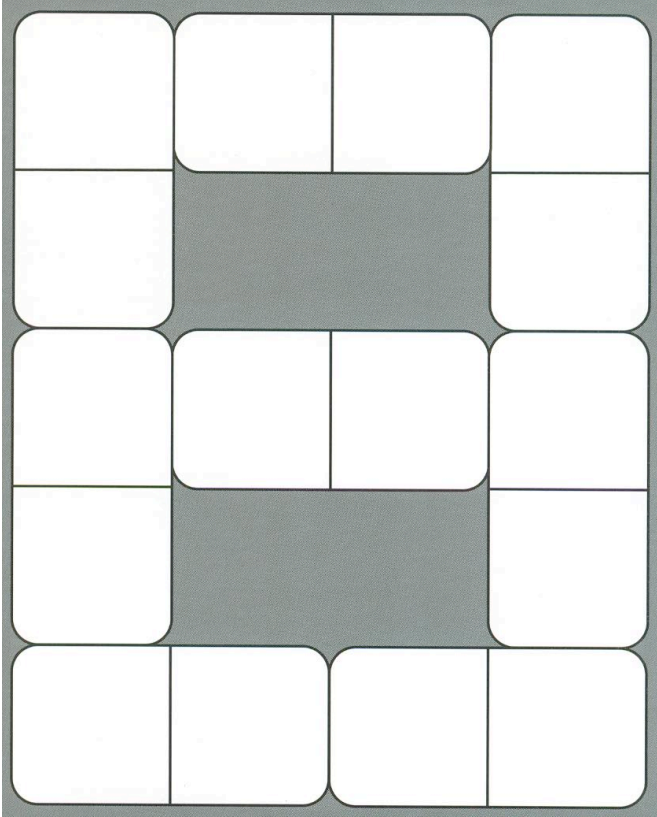
(First and last name, please!)

Solutions due: December 6th

- b) This pattern is slightly different than the first one. Again, arrange the dominoes following the rule. There will be one domino left over. *(There are several solutions. Can you find more than one way to do it?)*



c) Now try this pattern! This time there will be two dominoes left over. *(There are several solutions. Can you find more than one way to do it?)*



Dominoes

