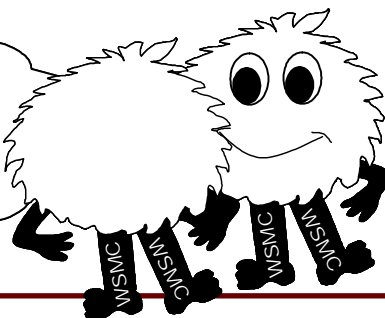


Math Game

Got an idea for **Math Game**?
 Jot it down and send to Donna Buck,
 PO Box 170, Joyce, WA 98343
 (electronic information can be sent to
 donna_buck@pasd.wednet.edu).

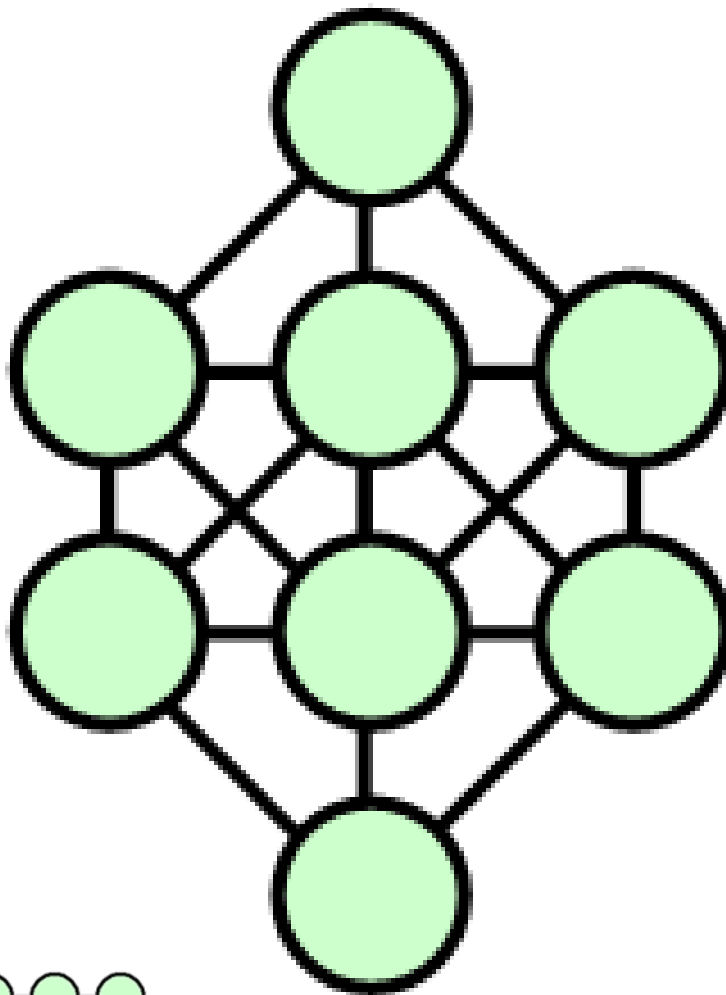
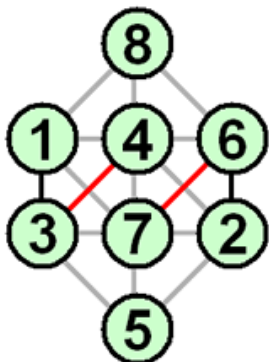


Digit Placing Puzzle

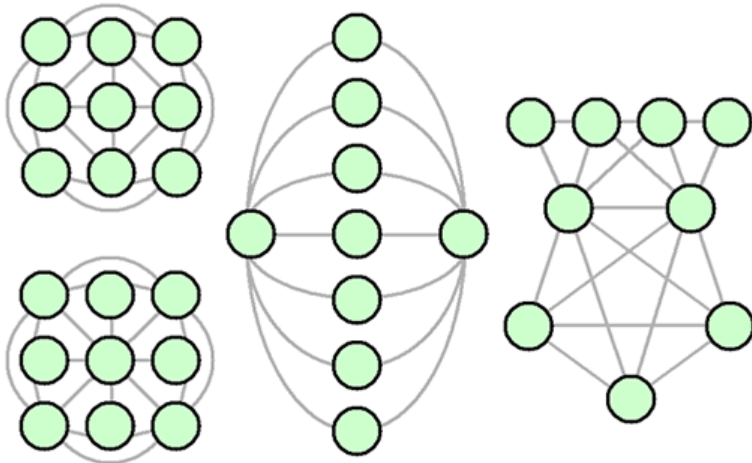
Source: <http://www.galileo.org/math/puzzles.html#circlenim>

Write the numbers 1 through 8 in the circles so that no two numbers inside circles joined by a line differ by 1.

Here is an example of an incorrect solution (because 3 is linked to 4 and 6 is linked to 7):



Extensions:



Choose one of the four diagrams at the left. Try to write the numbers 1 through 9 in the circles so that no two numbers inside circles joined by a line differ by 1.

Two of the diagrams are impossible and two are possible - which ones?