

A STEM in the Park

Take Home Activity

STEM

in the **PARK**™

Science, Technology, Engineering, and Mathematics

Magic Star Puzzle

What You Need

- Star template (on back)
- 12 pennies (or similar objects) labeled 1-12



How to play

The goal is to place the numbered pennies in the circles so that every row and every diagonal has a sum of 26. You can only put one number in one spot.

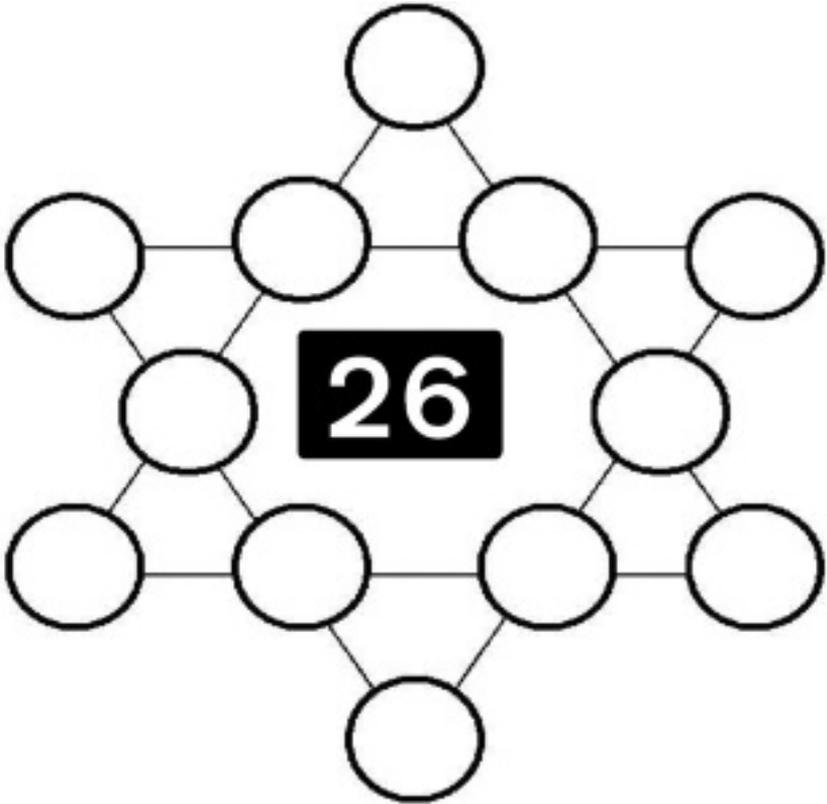
Learn

In this mind game you will practice your addition skills and also your problem solving skills. Remember, once you use a number it has to stay in that place.

Investigate

Once you find a solution, see if there is another one. How many solutions can you find. Also, is 26 the only number that has a solution? If so why is that? If not, can you find a rule that says what numbers will work in the middle?

Continued on back



This activity is brought to you by the BGSU Science and Mathematics Education in ACTION Program.

