

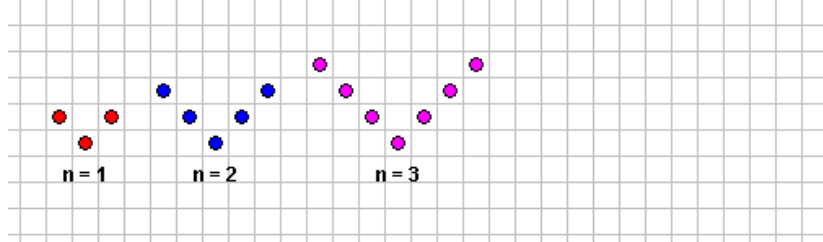
Finding patterns

name: _____

In the applet: Spotting Number Problems:

http://www.fi.uu.nl/toepassing/00299/toepassing_wisweb.en.html Make sure you are on Level 1, and answer the questions for the 3 problems below (use the choose a problem dropdown menu). Record your answers in the places indicated below. Draw in pattern 4 on the grid provided for each problem. Show how to see your expression by looking for groups of n.

V-numbers



Spots in n=4: _____

Spots in n=5: _____

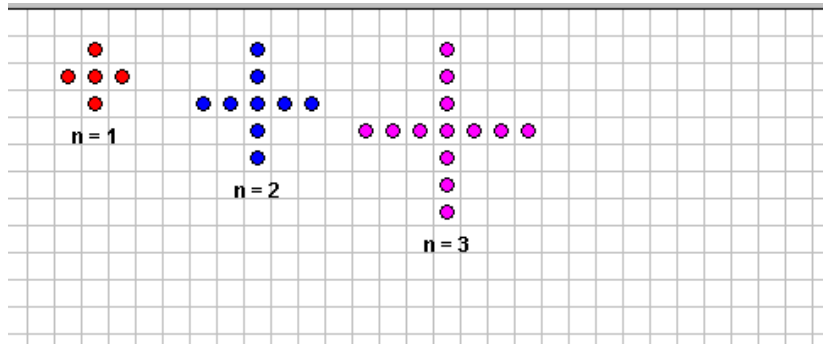
Spots in n=10: _____

Does there exist a pattern with _____ spots? y/n

Does there exist a pattern with _____ spots? y/n

An expression in n: _____

Plus-numbers



Spots in n=4: _____

Spots in n=5: _____

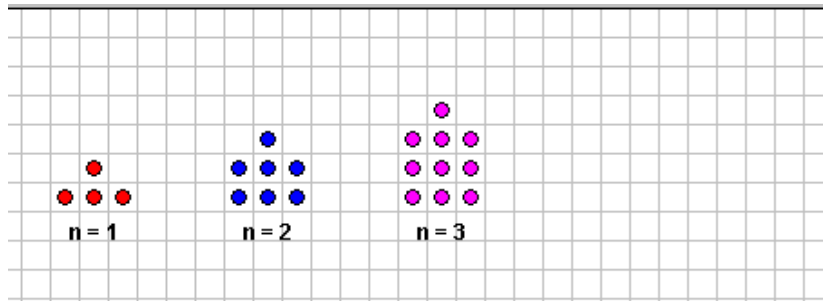
Spots in n=10: _____

Does there exist a pattern with _____ spots? y/n

Does there exist a pattern with _____ spots? y/n

An expression in n: _____

Tower-numbers



Spots in n=4: _____

Spots in n=5: _____

Spots in n=10: _____

Does there exist a pattern with _____ spots? y/n

Does there exist a pattern with _____ spots? y/n

An expression in n: _____

Try a level 2 or level 3 pattern. On the back of this page, write about the level 2 or 3 pattern you tried, and what you figured out about it.