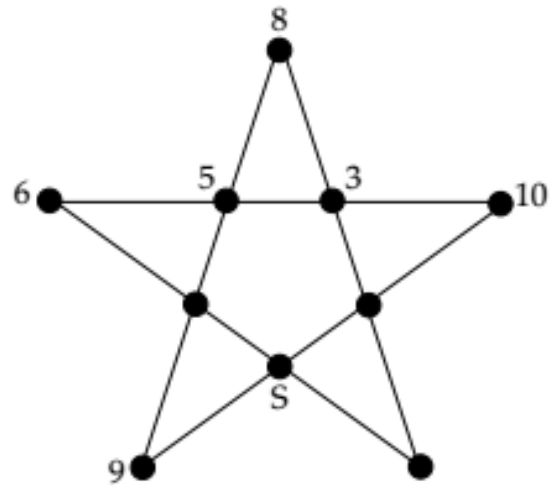


Lena is tiling a square floor with each side 3 metres long. The tiles cost \$45 per square metre. Write calculation which gives the total cost of tiling the floor (in dollars).

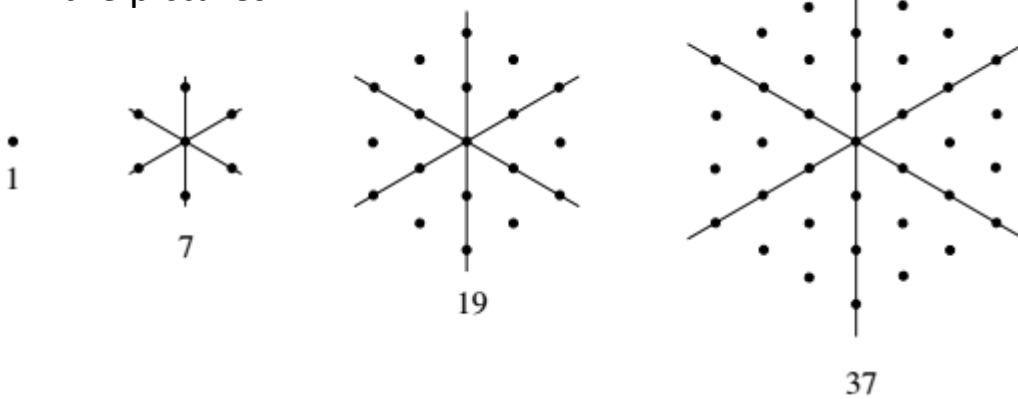
The numbers 1, 2, 3, 4, 5, 6, 8, 10 and 10 can be arranged around this star so that the sum along each straight line is the same. Four of numbers are missing.



The number missing at S is ...?

The number 1, 7, 19, 37, ... are sometimes called *snowflake numbers* because they can be pictured as a pattern of dots, like this:

A second number sequence is obtained by counting the number of dots on the lines shown in the pictures.



	snowflake number (number of dots)	number of dots on the lines
first	1	–
second	7	7
third	19	13
fourth	37	19
fifth	?	?

The fifth snowflake number is....?