

Shaping Up


Problem One

These two shapes have been made by joining five triangles side to side.




- What other shapes can be made by joining five triangles side to side?
- What shapes can be made by joining six triangles side to side?






one house



two houses



three houses

Problem Two

How many sticks would you need to make eight houses?



Problem Three

Arrange the numbers 3, 4, and 5 in three boxes like these to make:



- the biggest answer.
- the smallest answer.

Use each digit only once.



Problem Four

How many different ways can you find to count the number of cubes in this building?

