



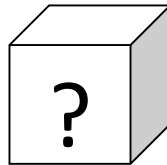
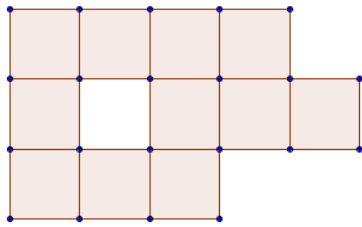
# ACTIVITY

## - THREE-DIMENSIONAL FIGURES -

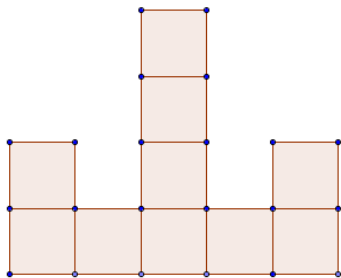


With the following clues, rebuild the mystery solid. It is made of small cubes that all have the same dimensions (1 square is equivalent to a cube).

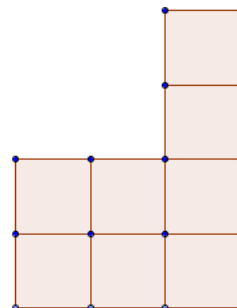
View from above



Front view

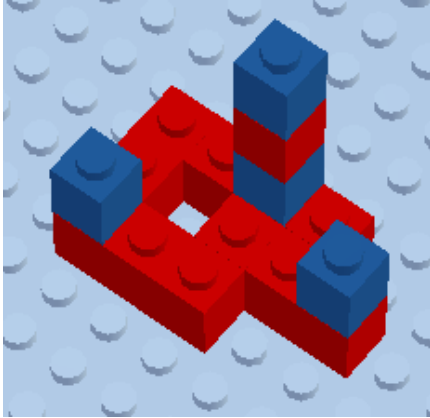


Right-side view

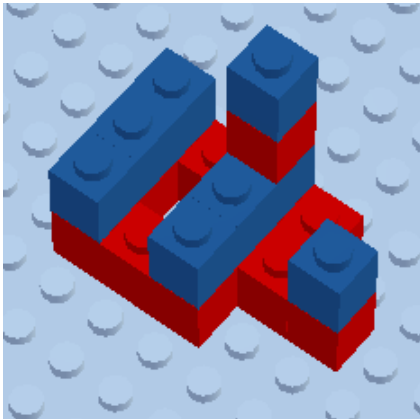


Several possible solutions:

Minimum number of cubes: 16



Maximum number of cubes: 20

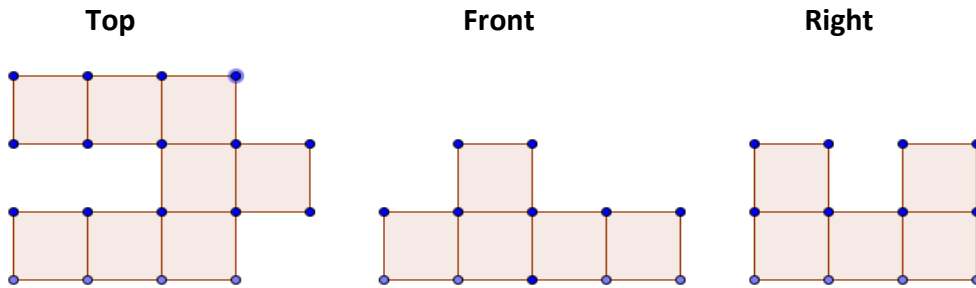


Note: The different colours are used to differentiate the layers to ease the comprehension of the figure. The first layer is red, the second blue, the third red, the fourth blue, and so on.

# ACTIVITY SHEET

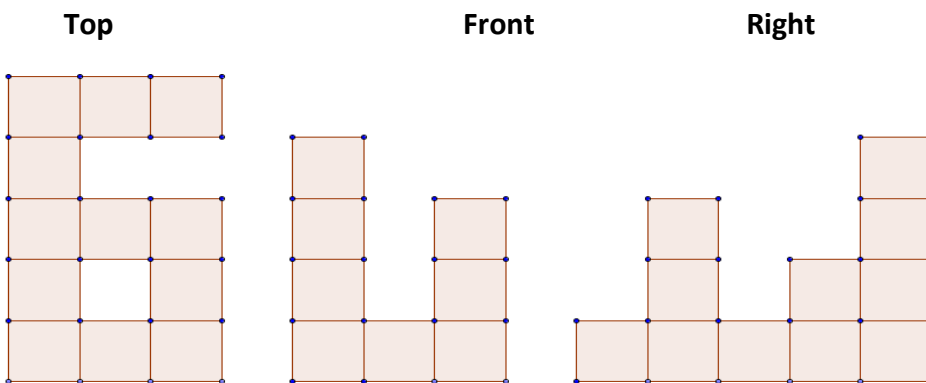
Build the solid of which the different views are provided. Then, find the minimum number and the maximum number of cubes necessary to build the solid.

**Figure 1:**



Number of cubes (only one possible solution): \_\_\_\_\_

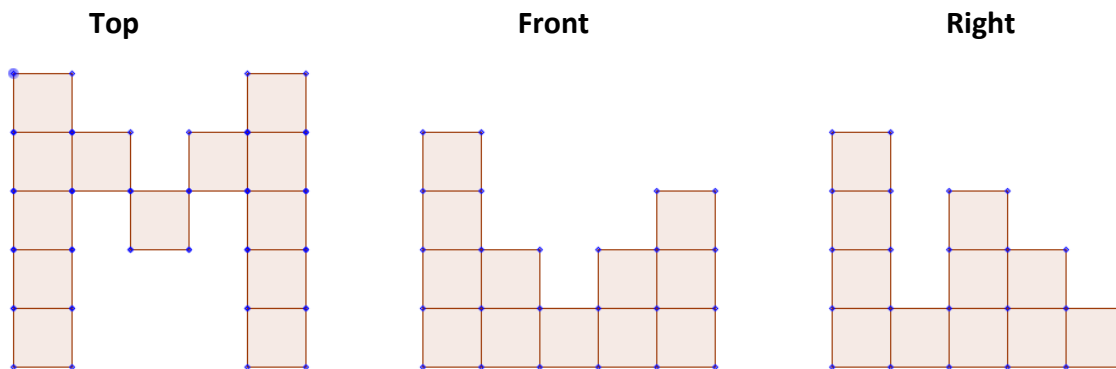
**Figure 2:**



Minimum number: \_\_\_\_\_

Maximum number: \_\_\_\_\_

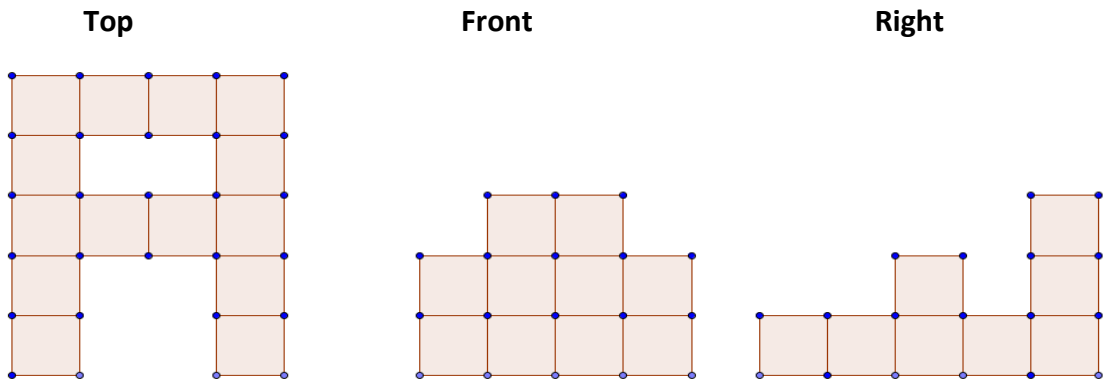
**Figure 3:**



Minimum number: \_\_\_\_\_

Maximum number: \_\_\_\_\_

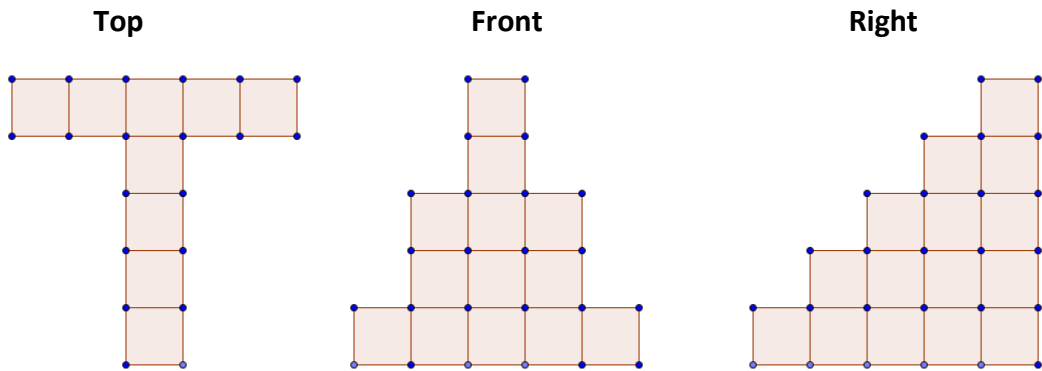
**Figure 4:**



Minimum number: \_\_\_\_\_

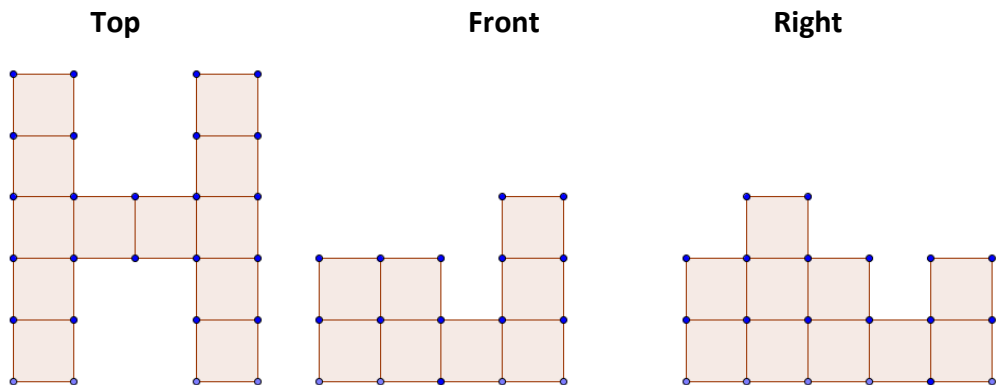
Maximum number: \_\_\_\_\_

**Figure 5:**



Number of cubes (only one possible solution): \_\_\_\_\_

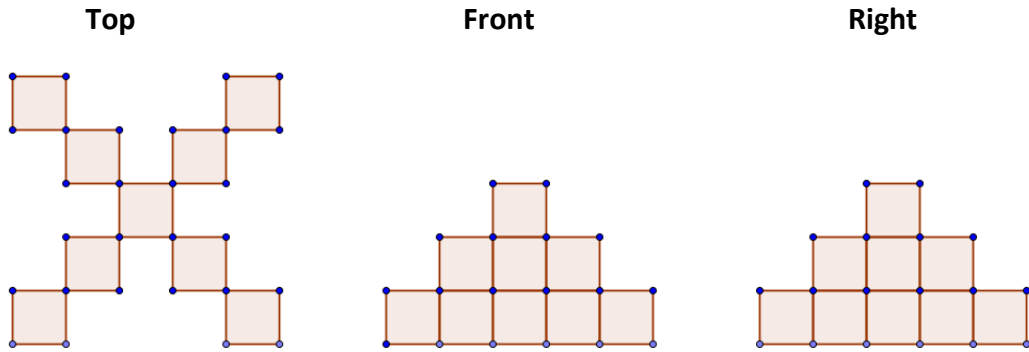
**Figure 6:**



Minimum number: \_\_\_\_\_

Maximum number: \_\_\_\_\_

**Figure 7:**



Minimum number: \_\_\_\_\_

Maximum number: \_\_\_\_\_