



Challenge 4

Lego Architecture: Mass

Mass is the physical volume or bulk of a solid body. Mass and space are two of the basic elements of architecture. Architects organise mass and space in their designs for buildings. Some buildings emphasise their mass - they look solid or have a "heavy" expression. Other buildings depend more on space expression, making them seem light and airy.

Check out the buildings below for an example: The building on the left has no gaps and has a smaller footprint on the baseplate. In architectural terms it is denser and looks heavier. Whereas, the building on the right has lots of gaps and spaces and takes up a bigger footprint on the baseplate. In architectural terms it is less dense and looks lighter and more airy.



[LEGO developed illustrations]



The challenge

Using 20 square Lego bricks build two different models. The first should have no gaps between bricks and the second as many gaps as you can make. How much bigger can you make the second version?

Rules

1. Each building must use the same number and size of lego brick

How did you get on? Share your results with us on social media!
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