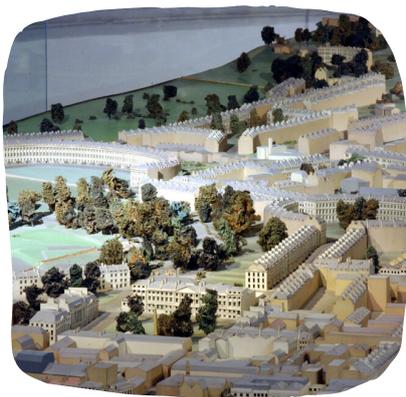




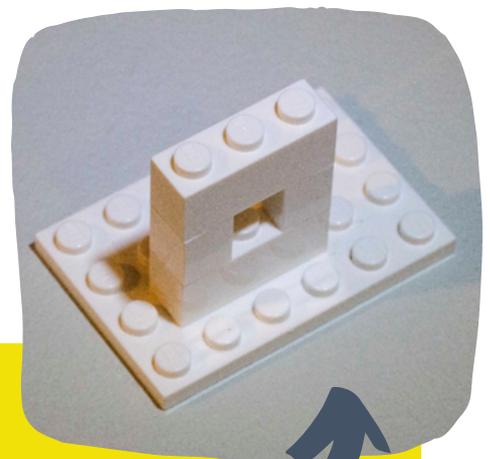
Challenge 1

Lego Architecture: Scale

When architects design new buildings it can be hard for people to imagine what the building will look like and how big it will be compared to the buildings around it. To help show people the size and shape of the building architects often build a small model. We call this a scale model. If something is built scale 1:100 it means that the model is one hundredth smaller than it is in real life (so every 1cm on the scale model represents 1m in real life).



Our model of Bath in the Museum of Bath Architecture is a great example of a scale model. It is built scale 1:500.



The challenge

Can you double the scale of our model and build it twice as big?
Don't go onto the next page until you're ready to see the answer!

Rules

1. You don't need to double the size of the baseplate
2. You can use any number and shape of bricks, provided you make the overall structure twice as big
3. Remember it's a 3D structure so twice as big means twice as high, twice as wide and twice as deep

How did you get on? Share your results with us on social media!
Please also consider donating [here](#)



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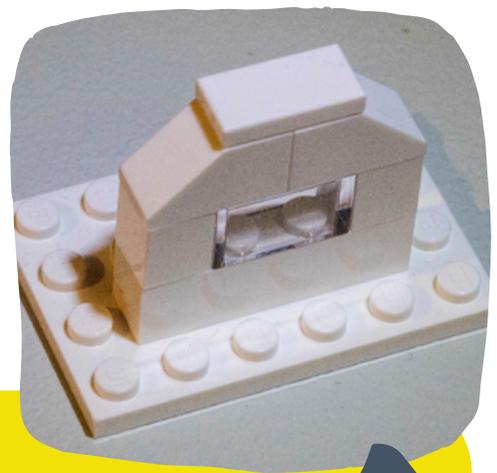
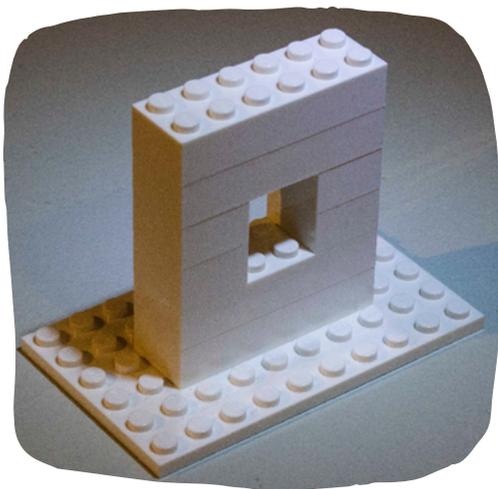


Challenge 1

Lego Architecture: Scale

Answer:

Your final structure should have dimensions like this (but remember it's OK if you used different sized bricks to achieve this):



A harder challenge

Can you double the scale of our new model and build it twice as big?

Rules are the same

1. You don't need to double the size of the baseplate
2. You can use any number and shape of bricks, provided you make the overall structure twice as big
3. Remember it's a 3D structure so twice as big means twice as high, twice as wide and twice as deep

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