

## Activity: Build a Palace

### Curricular Connections: Grade Five Math and Science

As you have learned, the Muslims were at the forefront of the development of mathematical concepts such as geometry, algebra and numeracy. All of these things are necessary for an engineer. Imagine you have been hired to build a palace for a Sultan. You will need to think about:

- The number of rooms
- Walls
- Doors and entry ways
- Windows
- Pathways
- Patios
- Gardens
- Water - fountains, pools, irrigation system
- Throne room
- Religious rooms
- Entertainment and dining rooms
- Baths
- Research what other components made up a palace.

Create a birds-eye view of the palace and then chose 3 rooms to draw in detail. Then scan your drawings, or take a steady photo, and upload them to your blog. Finish your project by writing about your ideas, reasoning, and inspirations. Connect your showcase of learning to specific information you learned in class by referring to them in your writing.