**Building a Dinosaur to Scale**

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Building a life-size dinosaur would require many resources, but we can still learn a lot by building a scale model of a dinosaur. For our scale, we’re going to use ½ inch = 1 foot. For example, if the dinosaur we’re modeling has a 10-foot tail, we would make sure our model has a 5-inch tail (10 x ½ = 5). Do some background research on the theropod dinosaur you want to model into a puppet. Determine how long various parts of its body were, including the leg, torso, head, arm, and tail (see sample on the right). Convert those lengths to the scale-length of the model, and write the lengths in the table below. Jot down any notes from your research in the corresponding column.

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| **Body Part** | **Actual Length/Height** | **Scaled Length/Height** | **Design Notes** |
| **Leg** |  |  |  |
| **Torso** |  |  |  |
| **Head** |  |  |  |
| **Arm** |  |  |  |
| **Tail** |  |  |  |
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