

## TOYS VS. US COMPARISON

Our toy: \_\_\_\_\_

What are we measuring?	Toy Measurement (cm)	Group Member 1 Measurement (cm)	Group Member 2 Measurement (cm)	Group Member 3 Measurement (cm)	Average of Group Members' Measurements (cm)
<b>Height</b>					
<b>Wingspan</b>					
<b>Forearm</b>					
<b>Foot</b>					

How will your group determine if the toy has the same proportions as the people in your group? Write your plan here:

In the space below, show the math used to compare the toy with your group member.

Is your toy proportional to your group members? Provide evidence to support your claim.

Your Model Doll:

Body Part Measured	Original Measurement of the Doll	My Original Measurement	New Measurement of the Doll Based on My Measurement
Height			
Wingspan			
Forearm			
Foot			

Draw a model of what the doll will look like. Your model should:

- Reflect your calculations in the last column
- Be labeled with your calculated measurements
- Be drawn accurately to the best of your abilities

Write a paragraph in the space below in which you:

- Explain what it means for two things to be proportional.
- Explain how you determine or prove that two things are proportional.
- Give at least three reasons why a toy maker or animator must understand the mathematics behind proportions and how they may, or may not, use them to create their work.

---

---

---

---

---

---

---

---

---

---