

How Big is That?

Imagine that you're writing a children's book and you want to help readers understand the relative sizes or amounts of some things by comparing them to more common objects that they would be familiar with. Choose several related objects or amounts that you want to compare, such as the sizes of animals, and choose one or more objects to use to compare them. Here are some questions to think about:

- How many of an object would be needed to represent each thing you want to compare?
- If you scaled an object to different sizes, how big would it have to be to represent each thing you want to compare?

Your final product will be:

1. A display showing what this part of the children's book will look like. Include illustrations and text explaining how all of the things you're comparing are represented.
2. A summary of your reasoning for the publishing company that shows how you know your calculations are correct. Make your explanations as easy to follow as you can, since your audience might not be comfortable with math.

How Big is That?

Imagine that you're writing a children's book and you want to help readers understand the relative sizes or amounts of something by comparing them to a more common object that they would be familiar with. Choose several related objects or amounts that you want to compare, such as the sizes of animals, and choose an object to use to compare them. Here are some questions to think about:

- How many of the object would be needed to represent each thing you want to compare? For example, if a marble represents the size of a cat, how many marbles would represent an elephant?
- If you scaled the object to different sizes, how big would it have to be to represent each thing you want to compare? For example, if a normal-sized marble represents a cat, how big would its diameter have to be to represent an elephant?

As you work, make a table that summarizes the results of your calculations.

Your final product will be:

1. A display showing what this part of the children's book will look like. Include illustrations and text explaining how your object represents all of the things you're comparing.
2. A summary of your reasoning for the publishing company that shows how you know your calculations are correct. Make your explanations as easy to follow as you can, since your audience might not be comfortable with math. Include the table you created.