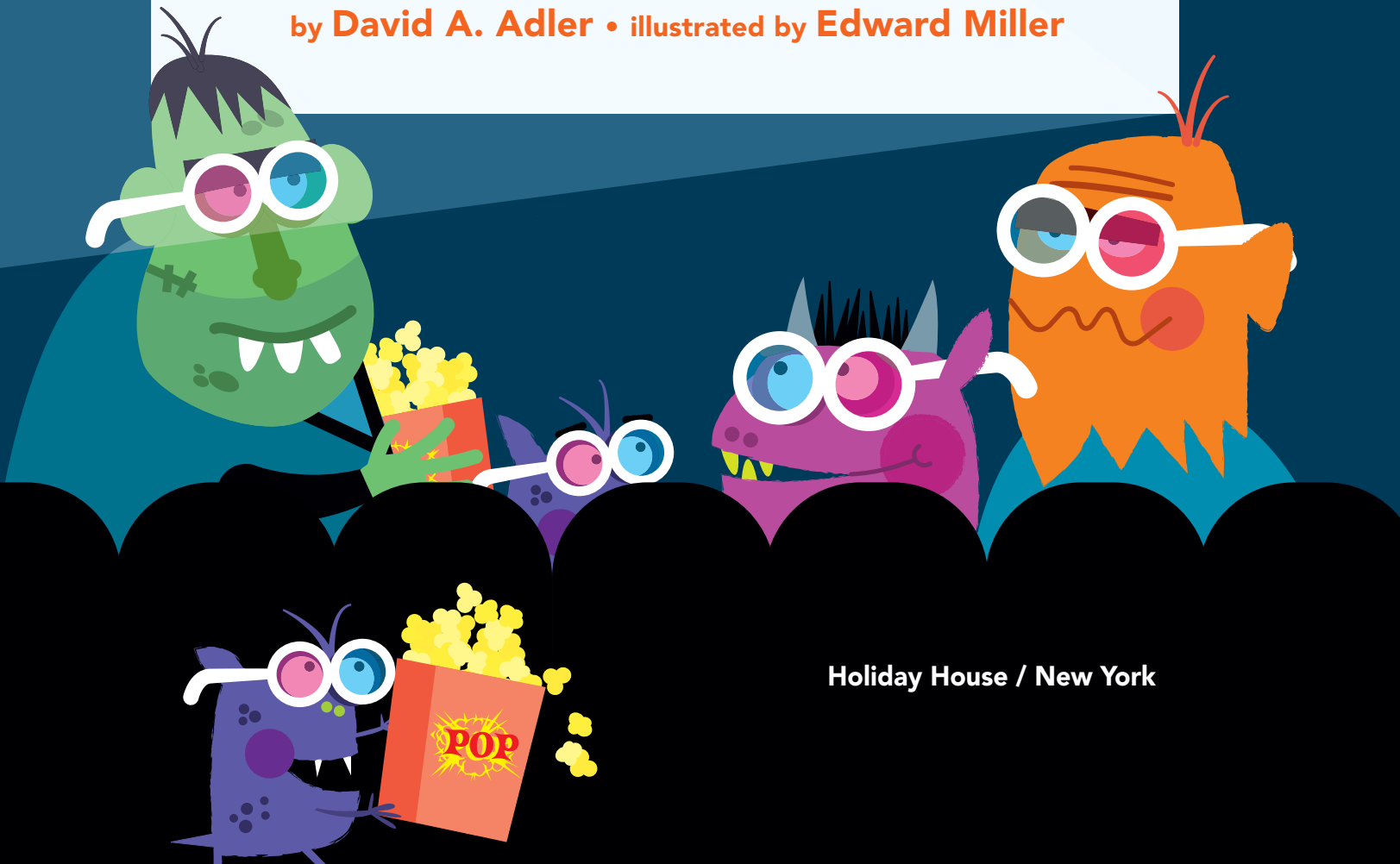


PERIMETER, AREA, and VOLUME

A Monster Book of Dimensions

by David A. Adler • illustrated by Edward Miller

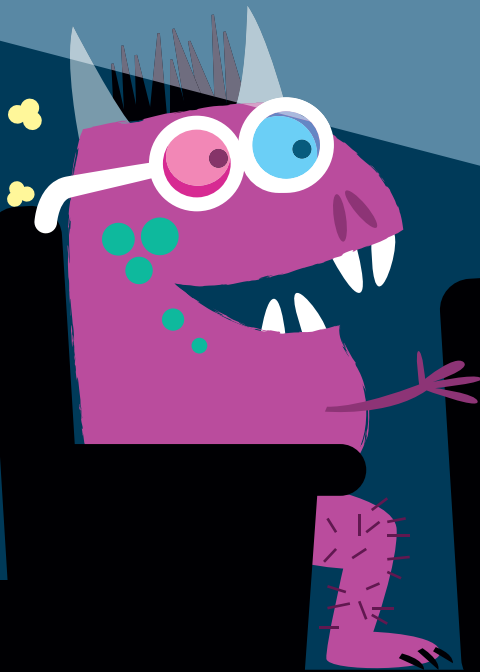


Holiday House / New York

Have you ever been to a 3-D movie?

3-D movies look real. If there's a monster walking on the screen, it might seem as if he is walking toward you. As the monster on the screen gets bigger and bigger, it seems as if he's coming closer and closer.

Such movies are called **3-D** because they seem to have **three dimensions**. They seem to have **length, width, and depth**.



The three dimensions are sometimes called by **different names**. We might say something is **tall**, **high**, or **long**; **wide** or **broad**; **deep** or **thick**.

Whatever words we use, all things we can hold or walk around have **three dimensions**.

Here are the monster stars of the movie *Monsters in the Neighborhood*. They're posing for a picture. Are they all the same size?

Some might be the same height but not the same size. **Height** is just one dimension. Each monster has three dimensions.

Each monster is tall or short.

Each monster is wide or narrow.

Each monster is fat or thin.

To know how big something really is you need to know all three dimensions. But sometimes you need to know just one dimension.

