



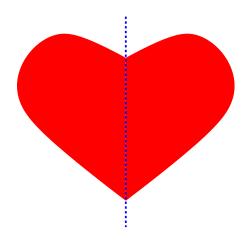




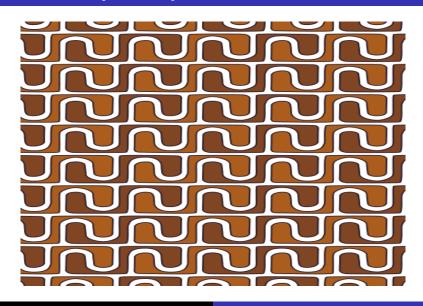
# Reflection Symmetry



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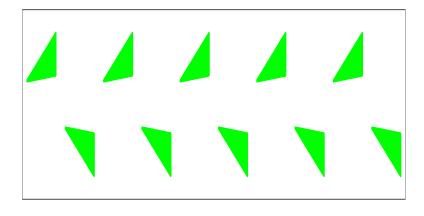
# Translation Symmetry



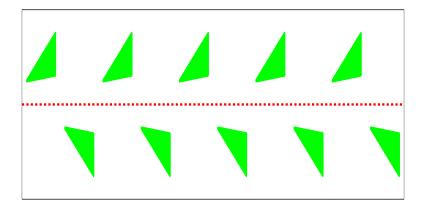
# Glide Reflection Symmetry



#### Glide Reflection Symmetry



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#### Symmetries of Three-Dimensional Objects

Cubes?

Tetrahedra?

Octahedra?

Spheres?

Donuts?

How do we describe the idea of symmetry mathematically?

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► How do we determine "how symmetric" a particular object is?

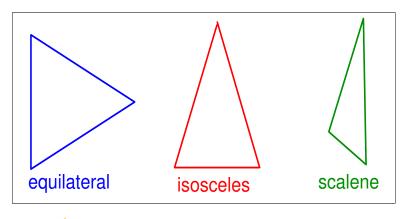
How do we describe the idea of symmetry mathematically?

► How do we determine "how symmetric" a particular object is?

What different kinds of symmetries are out there?

#### **Defining Symmetry**

Which of these triangles is the most symmetric?



Why?

