

3.1

Enlargements and Reductions

YOU WILL NEED

- a ruler

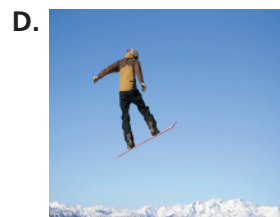
GOAL

Recognize whether or not one shape is an enlargement or reduction of another.

EXPLORE the Math

Rachel made several enlargements and reductions of a photo for her display on Winter Olympic sports. She knows that the snowboarder will differ in size, but his body should not be distorted. Some of the photos don't look right.

Original photo



? How can Rachel tell which images are true enlargements or reductions?