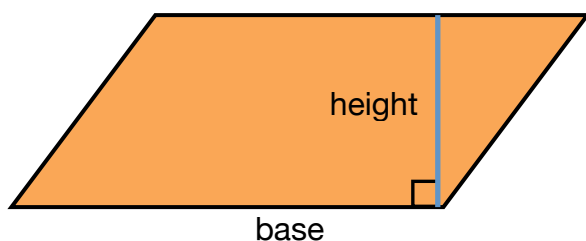
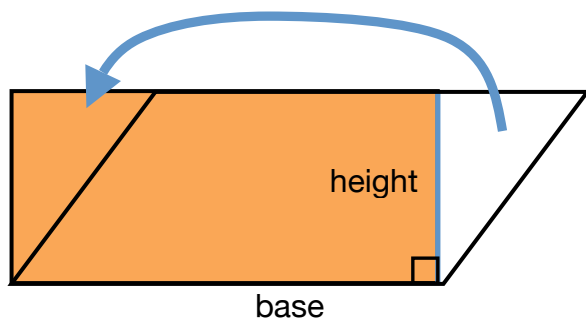


Volunteers are laying sod around a new skate park. The organizers do not know how to determine how much sod they need for a parallelogram-shaped area. The first thing they need to do to solve this problem is find the area of the parallelogram.

The parallelogram-shaped area looks like this:



You can cut the parallelogram along the height and rearrange the two parts to form a rectangle as shown below.



Use this representation to explain how to find the area of a parallelogram and determine a formula for finding the area of any parallelogram.

Here are the dimensions of the section that needs sod. What is the area? Show how you determined the answer.

