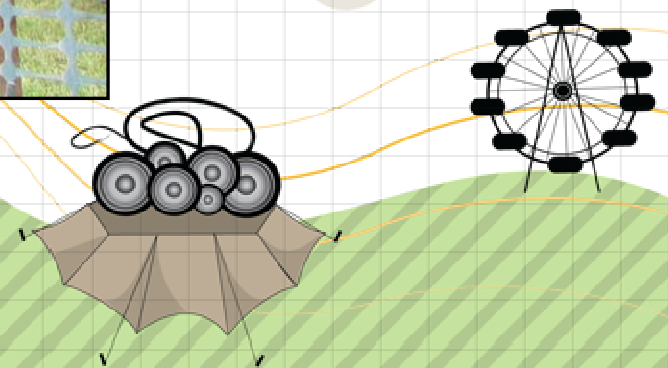


## Building a new 'green' stage



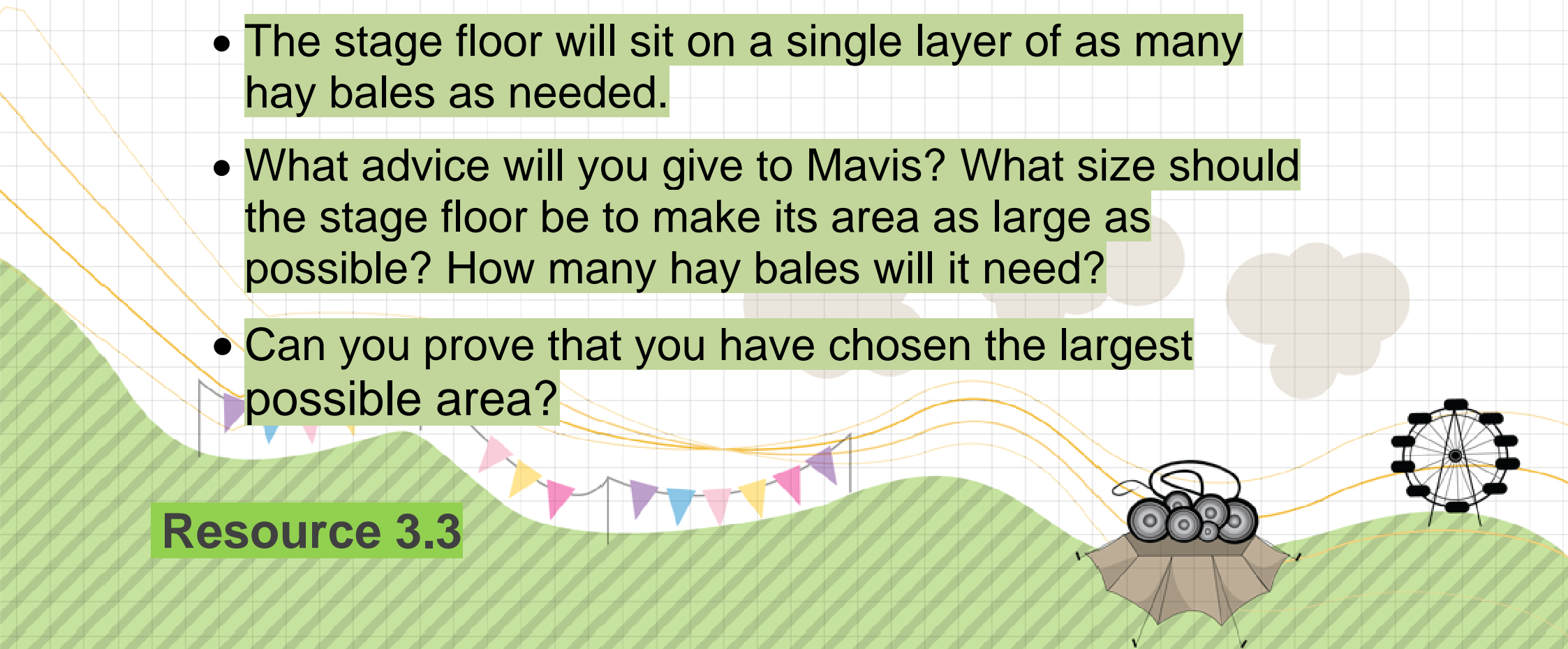
Resource 3.3



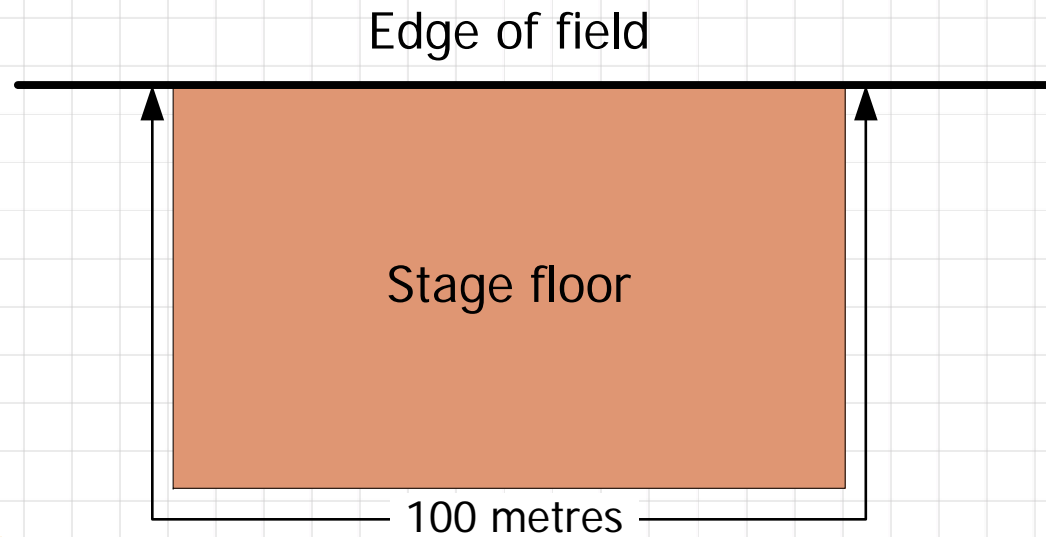
## Building a new 'green' stage

- The new stage floor will be rectangular. One edge will fit along a side of the field.
- You have 100 m of footlight strips to fit exactly along the other three edges.
- The stage floor will sit on a single layer of as many hay bales as needed.
- What advice will you give to Mavis? What size should the stage floor be to make its area as large as possible? How many hay bales will it need?
- Can you prove that you have chosen the largest possible area?

**Resource 3.3**



## Building a new 'green' stage



### Bales of Hay

length: 1m

width: 0.5m

height: 0.5m

Resource 3.3

