

Lesson 4: Further problems

Resource 4.7

Further problem or homework

You will need your plan of Torbury Fields on **Resource 4.2**.

Torbury Fields are flat ground.

Dance Village, outlined in green on the plan, features a square-shaped dance tent called 'The Boogie Palace' which measures 200 m by 200 m. The walls of the tent are 4 m high. At its highest point, the ridge roof is 6 m above the ground.

The security staff need to be able to see as much as possible of the exterior perimeter fence of Dance Village over the dance tent.

The observation tower has to be less than 15m high. It has a swivelling telescope.

- 1 Where would you put The Boogie Palace tent?
- 2 How high would the observation tower need to be?

