

EPPro8 Challenge

Engineer Problem Solve Innovate

Crowd Size – Teacher’s Notes

Summary

Teams will construct frames to calculate crowd density in a mosh pit (densly packed), dance area (where there is room to move) and a picnic area (where you can spread out and recline).

They will take scale readings off the image and calculate the overall area.

Principles

Practical Maths, Measurement, Area, Scales.

Extra Equipment

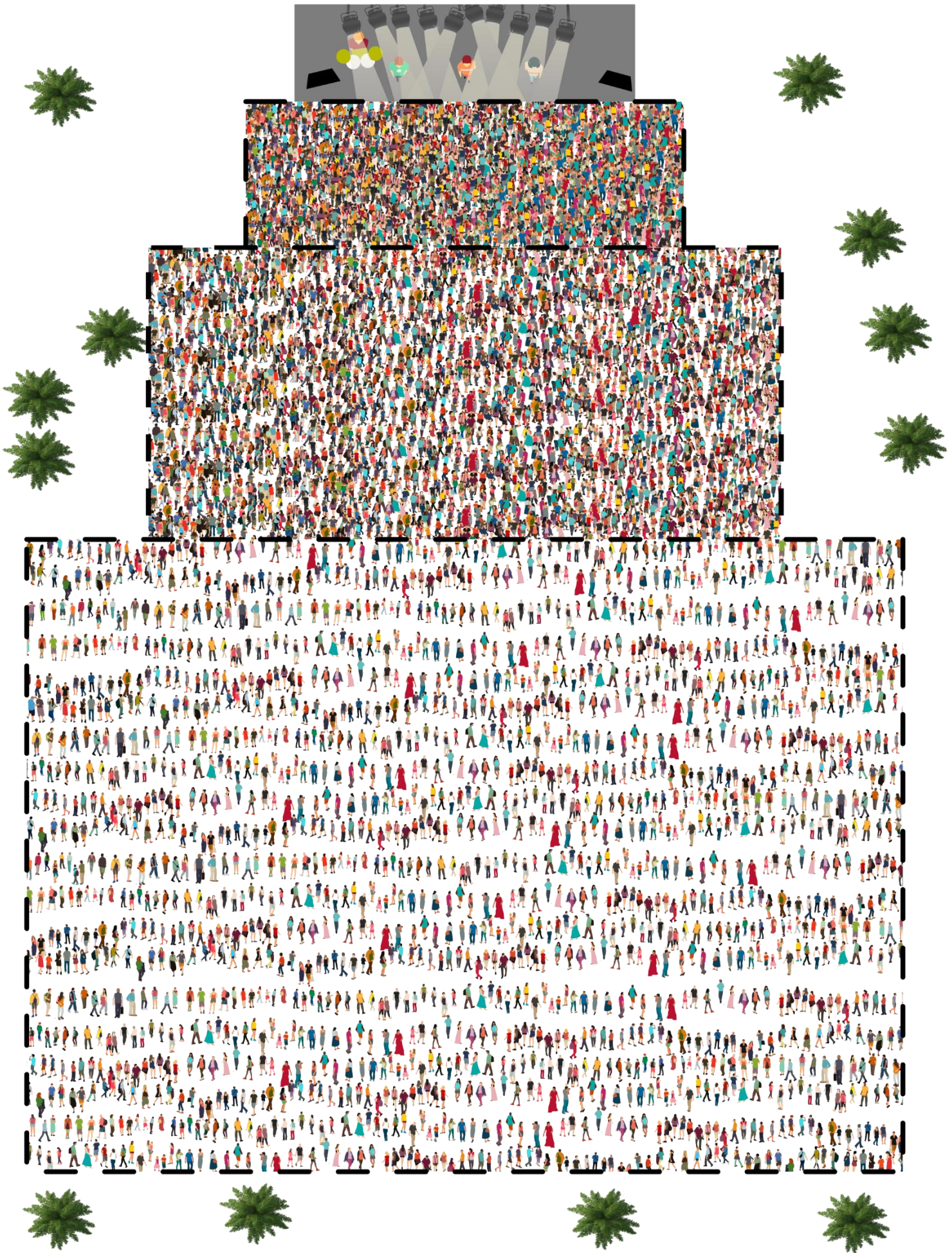
- Image showing layout of concert (attached to the end of this document).
Make sure when printing this that you print at a scale of 1:100.
- Stopwatch.
- Calculator.

What to Aim For

See the “Getting the Most from your Equipment” document for guidelines on what to aim for from these challenges.

Our Solution





Scale 1:500

