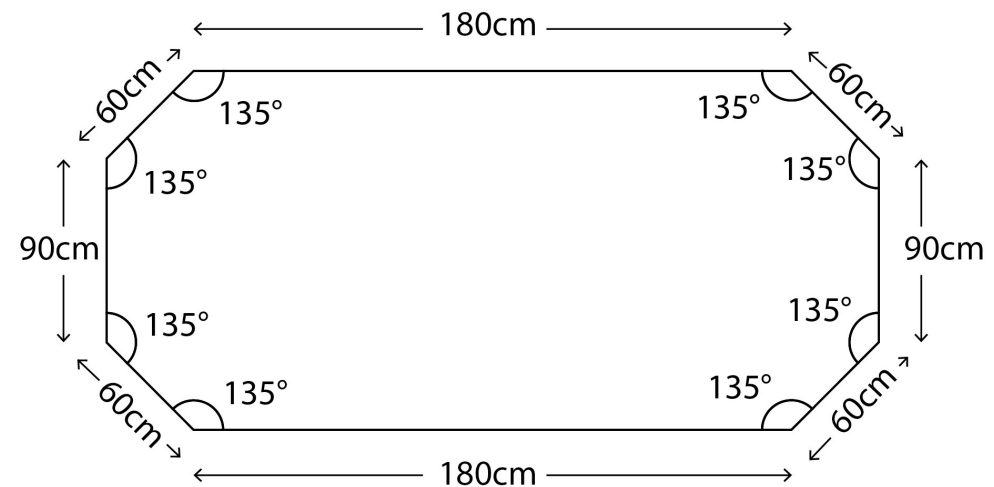


Summerhouse



The plan view provided by the manufacturer of the 'Malvern Summerhouse' is shown below.



Question

Terry has ordered the Malvern Summerhouse for his garden. Before it is delivered he needs to construct a concrete base. He is planning to make a rectangular base so that the summerhouse fits onto it exactly.

What are the dimensions of this rectangular base?

Extension Question

The concrete needs to be 10 cm deep. A cubic metre of concrete has a typical mass of about 2400 kg. Find the volume of concrete required and estimate its mass. Justify any decisions you make.