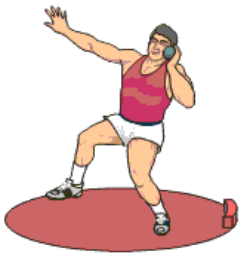
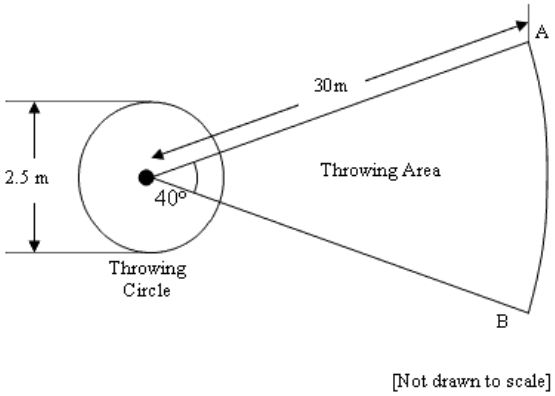
Shot Put circles

This task is about calculating areas of circles and sectors of circles.





[Not drawn to scale]

A shot-put throwing circle and throwing area are shown in this diagram.

a) The diameter of the throwing circle is 2.5 m. Calculate the area of the throwing circle.

Show your working here:

The area of the throwing circle is _____ m^2 (to 1 d.p)

b) Calculate the area of the throwing area (sector AOB) if it has a radius of 30 m and an angle AOB = 40^o.

Show your working here:

Shaded area _____ m^2 (to the nearest square metre)

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