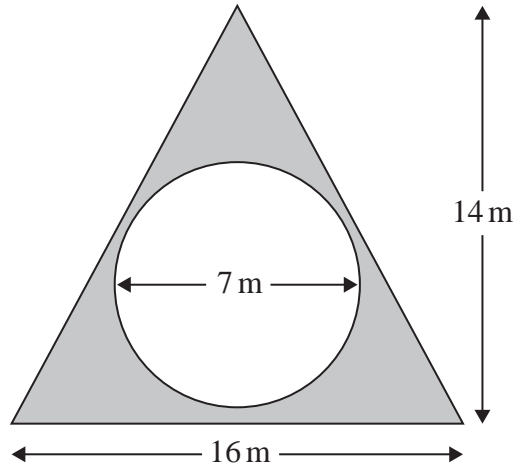


22 Here is a plan of part of Macsen's garden.

There is a circle inside a triangle.

The circle has a diameter of 7 m.



Macsen will cover the shaded area with gravel.

Gravel is sold in bags.

Each bag of gravel covers an area of  $12.5 \text{ m}^2$

(a) Work out the number of bags of gravel Macsen will need.

..... bags

Macsen finds that each bag of gravel only covers an area of  $11 \text{ m}^2$

(b) How does this affect your answer to part (a)?