

# Barn Owl Maths

## How much wheat?



A small farm has 5 wheat fields. Their sizes are:

150 metres by 100 metres

500 metres by 175 metres

225 metres by 215 metres

274 metres by 137 metres

376 metres by 299 metres

What is the total field area in square metres?

If a hectare is equal to 10,000 m.sq. How many hectares do the fields cover?

If the farmer can grow ten kilos per m.sq. How much wheat does his farm yield?

Nowadays farmers can expect to harvest a lot more wheat than they did in the 1940's. This is because wheat has been genetically modified to increase its yield, and also due to better fertilisers and more intensive farming. In 1940 the farm could only produce 1/4 of the wheat it did in 2008.

How much wheat was harvested in 1940?

How much less wheat was produced in 1940 than it is today?