

Farming maths (Answers)

Imagine you are to going to hold an end of term barbecue for the class. There will be 25 children and five adults attending. They can choose to have one beefburger or two sausages.

20 people want beef burgers. What fraction of those attending want beef burgers?

2/3

Of those wanting beef burgers 1/5 don't want onions. How many don't want onions?

4

0.8 of the children want ketchup. How many children will have ketchup?

20

The local farmer has been in to school to explain how wheat is grown to produce flour that is used to make the buns. The farmer tells you that it takes 130 grammes of wheat to make 100g of flour and that it takes 1 square metre of land to produce 900g of wheat. The local baker says that it takes 300g of flour to make 5 buns.

If each person attending the school BBQ has a bun, how many kg of flour would be needed?

1.8Kg

How many grammes of wheat will the farmer need to grow?

2340g

How many square metres of land will it take to produce the amount of flour needed?

2.6sqm

If the farmer's field measures 100m by 100m. How many square metres is this?

10000sqm

If the farmer can only use 90% of the field to sow wheat grain, what area does he have to grow wheat?

9000sqm

How many kg of wheat will this produce?

8,100Kg

It is wet during the harvest and the farmer only manages to get 7,938kg of grain. What percentage of his crop is this?

98%