



**DISCOVER
FARMING**

LEARNING ACTIVITIES TO DO AT HOME

To inspire and educate children about food
and where it comes from



ACTIVITY FOUR LEARN ABOUT MILK AND DAIRY COWS

WHERE DOES THE MILK YOU DRINK COME FROM?

Most of the milk we drink in the UK comes from cows.

The 2.69 million dairy cows in the UK, each produce an average of 5900 litres per annum.

We drink an average of 82 litres (144 pints) of milk per person a year!

Half of the milk is used for liquid consumption the rest is processed into things like yogurt, cheese and butter.

1 : How to milk a cow

1. Use a rubber glove
2. Blow into the glove to create a balloon
3. Then make a tiny hole in the end of the fingers
4. Pour a small amount of water into the glove
5. Ask someone to hold the glove securely over a container
6. Gently squeeze and see if you can milk the glove!
7. Add more water, or milk for a more authentic experience





2 : (KS2 +) Cow facts, figures and questions

As of December 2019, the total number of dairy cows in the UK stood at 2.69 million head. India has the greatest number of dairy cows in the world with over 40 million cows. They are also the world's largest producer and consumer of milk.

Top 10 Largest Milk Producing Countries 2020 (fao.org)

Rank	Country	2019 Production (million tonnes)
1.	India	196.18
2.	US	99.16
3.	Pakistan	47.30
4.	Brazil	35.17
5.	China	32.67
6.	Russia	31.16
7.	Germany	31.10
8.	France	25.01
9.	New Zealand	21.79
10.	Turkey	21.53



Some big number questions!:

- 1) What is the total number of tonnes produced?
- 2) What is the average amount of milk produced for these top 10 countries?
- 3) The current population of India is 1,383,085,891 on Wednesday, September 23, 2020. (UN data) How many cows per person?

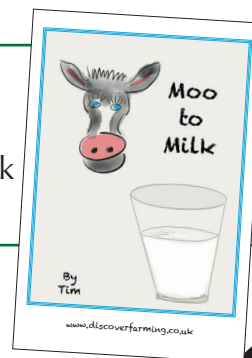
3 : Cow Mask

Dairy cows eat grass during the summer months and then usually silage in the winter. You will often see a cow chewing, this is called chewing its cud. When a cow chews her cud, she is regurgitating her food into her mouth which she rechews and reswallows. They chew at least fifty times a minute for a total of 40,000 chews per day! Cows do not bite the grass but instead they curl their tongues around it just enough for it to be swallowed. It then travels to the cow's first two stomachs, the rumen and reticulum, where it is stored to be chewed later. **Use the mask template on the next page to make your own cow mask, don't forget the grass.**



Moo to Milk

For a free copy of the Discover Farming's very own milk story created by Tim Dommett please email office@melplashshow.co.uk or download from www.discoverfarming.co.uk



Colour me in, cut me out, and stick my ears on (below my horns)
Don't forget to cut out the eye holes!

Have a go at some of these activities and when you've finished email the results either as a document or photo to katie@discoverfarming.co.uk **In return you will receive a certificate and an illustration of the farming year.**