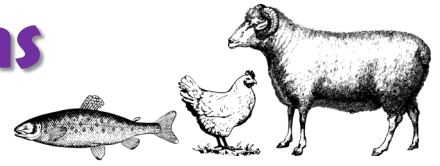


Vegan Maths

WonderWorksheet 14b



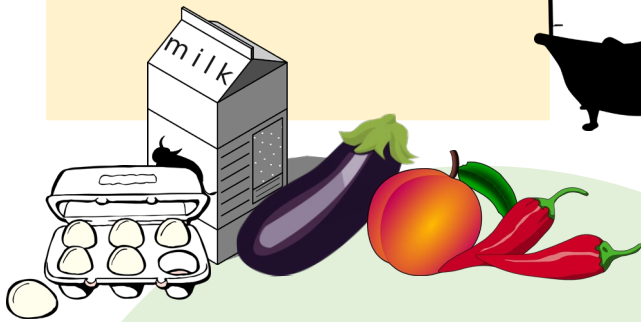
1. Kill Counter

Every year, around 150 Billion animals are killed by the farming industry, for meat, dairy and eggs. How many animals are slaughtered per day?



2. Shower or Burger?

It takes around 3,000 litres of water to make one 200g beef burger patty. If you use an average of 30 litres of water to shower once, how many showers' worth of water does it take to make one hamburger?



3. How many animals could you save?

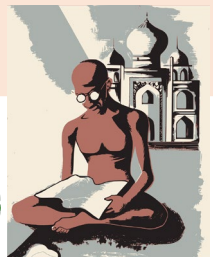
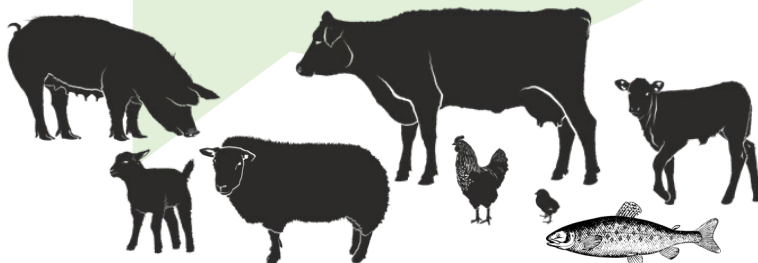
It's estimated that a vegetarian could save about 100 animals a year, and a vegan about 200 or more animals a year. How many animal lives would you save in the next 5 years if you were vegetarian (didn't eat meat, but still ate dairy and eggs) or vegan (didn't eat any meat, dairy or eggs)?

Vegetarian: _____ animals saved

Vegan: _____ animals saved

4. How old?

Veganism and Vegetarianism is thought to have started around 3,300 BCE in Ancient India. How many years ago was that?



Vegan Maths - Solutions

WonderWorksheet 14b



1. An average year has 365 days.

150 billion is written as 150,000 million, or 150,000,000,000.

$150,000,000,000 \div 365 = 410,958,904$ animals killed per day.

This rounds to approximately 411 million animals killed every day for meat, dairy and eggs.

These are the numbers of animals killed worldwide by the meat, egg, and dairy industries. These numbers do NOT include the many millions of animals killed each year in vivisection laboratories, the millions of dogs and cats killed in animal shelters, the animals who died while held captive in the circuses, rodeos, zoos, and marine parks, the animals killed in blood sports such as bullfighting, cockfighting, dogfighting, bear-baiting or hunting, or the horses and greyhounds exterminated after they were no longer deemed suitable for racing. Source: <https://www.adaptt.org/about/the-kill-counter.html> / <http://www.plainenglish.co.uk/campaigning/past-campaigns/budget/how-much-is-a-billion.html>

2. It takes around 15,000 litres to create 1kg of beef (so 3,000 litres for a 200g beef patty). This includes watering crops to feed animals, drinking water for animals, and water used in cleaning and production processes. You use about 30 litres to shower once. $3,000 \div 30 = 100$ showers for 1 burger.

Source: <https://www.simply-live-consciously.com/english/food-environment/1-burger-3000-l-of-water/>

3. The sad truth is that even dairy cows and egg-laying hens end up being killed for meat, so even as a vegetarian, you are unwittingly responsible for animal deaths. In addition, male calves and male chicks are killed soon after birth, as they are useless to the dairy/egg industries.

Vegetarian = $100 \times 5 = \pm 500$ animals saved in 5 years.

Vegan = $200 \times 5 = \pm 1,000$ animals or more saved in 5 years.

"Each day, a person who eats a vegan diet saves 1,100 gallons of water, 45 pounds of grain, 30 sq ft of forest, 20 lbs CO2 equivalent, and one animal life." Source: <https://vegetariancalculator.com/statistics/>

4. The earliest forms of Vegetarianism and Veganism are thought to have occurred in Ancient India around 3,300-1,300 BCE.

$3,300 \text{ BCE to } 0 \text{ BCE} = 3,300 \text{ years} + 2020 \text{ years} = 5,320 \text{ years ago.}$

Source: <https://www.plantbasednews.org/opinion/meat-free-diet-cheaper-ps600-year>

