

Maths Task

English

Word Problems – Science & Maths

How much carbon dioxide do we produce?

Amount of Carbon dioxide produced per person per month

Australia	93.17 litres
Canada	218.83 litres
France	105.25 litres
Germany	155.75 litres
Ireland	134.67 litres
Italy	126.25 litres
Japan	139.75 litres
Mexico	50.5 litres
Spain	88.42 litres
Turkey	37.92 litres
UK	143.08 litres
USA	265.17 litres

1. How many more litres of carbon dioxide does an Italian produce each month than a French person?
2. Who produces roughly 3x as much carbon dioxide as a Mexican?
3. A person from which country produces approximately a $\frac{1}{4}$ of the amount of carbon dioxide as a German?
4. How many litres of carbon dioxide does an Australian produce in a year?
5. Who produces 84.16 l less carbon dioxide each month than a Canadian?

Challenge: Can you design a graph to show the data? What would be the best type of graph/chart? Line? Bar? Pictogram?

Beautiful Butterflies

FLUTTER FACTS

- Butterflies have thousands of lenses in their eyes.
- Butterflies do not have any lips or teeth, just a long looped tongue.
- The correct name for a group of butterflies is a flutter!
- There are 59 species of butterfly and 2,500 species of moths in the UK.



The Big Butterfly Count is a nationwide survey looking at the health of our nation's butterflies and moths, and calculating just how many are fluttering in the sky.

Last year, 52,000 people took part in the survey, counting over 580,000 individual butterflies and day-flying moths

The count will assist experts in identifying particular trends in species and will help them protect the future of these beautiful creatures. It will also allow them to study the effect of climate change on our world's wonderful wildlife. Butterflies react very quickly to changes in their environment, particularly those caused by dramatic changes in weather as a result of climate change.

- What is the collective noun for a group of butterflies?
How many different species of butterflies and moths are there in the UK?
What is the purpose of the count?
Why do you think that the climate affects butterflies?
What can we do to help the growth of butterflies and encourage the continuation of the different species?

Challenge: Design a poster to encourage people to help butterflies and how they are important to wildlife. You might need to do some research!

FINISHED? Tell us [HERE!](#)

Remember to visit our Website to find all of the other learning activities to choose from!
Don't forget you can email ParentSupport@orchard.emat.uk to ask for help, whatever you need!