How much carbon is locked in that tree?

Worksheet 3 – Simplified final calculation: how many trees are needed?

We started with the following question: how many trees are needed to remove 680 kg of CO_2 from the air?

Now we have almost all the information needed to answer the question.

1. Have you measured a broadleaf tree or a coniferous tree?
2. Check the tables for conifers or broadleaf trees to see how much CO_2 in kg your tree has already removed from the air in its lifetime, based on its height and diameter.

Carbon dioxide mass: _____ kg

3. Now you know how much CO_2 your tree has removed from the air in its lifetime, you can calculate how many similar trees would be needed to remove the 680 kg of CO_2 from the air that was produced for one person during a round-trip flight from Düsseldorf to Mallorca or _____to _____.

4. Result =_____÷_____

= _____ trees