

# Maple Math: What Maple Trees Do

Trees have some amazing jobs in the ecosystem! Learn more about what one type of tree (the maple tree) can do by completing the word problems below:

1 maple leaf produces about 5 milliliters of oxygen every hour!



- How much oxygen does a leaf produce in 1 day (24 hours)?
- How much oxygen does a tree with 167 leaves create per hour?
- How many leaves would make 1 liter of oxygen every hour?

The trunk of a maple tree can hold about 300 pounds of carbon dioxide!

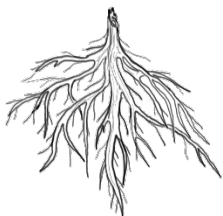
- How much carbon dioxide is held in a forest of 24 maple trees?
- How many maple trees would it take to absorb 42,000 pounds of carbon dioxide?
- If a farm has 12 maple trees, how many more trees are needed to absorb 5,700 pounds of carbon dioxide?



Maple trees produce a sap that makes maple syrup! The maple tree needs 40 gallons of sap to provide 1 gallon of maple syrup.

- How many gallons of syrup could be produced from 360 gallons of sap?
- How many gallons of sap are needed to make 31 gallons of syrup?

A farm has 17 maple trees, each tree has 300 leaves, and each tree produces 4 gallons of sap every hour.



- How much syrup can the farm produce each day?
- How much oxygen do the farm's trees produce each day?
- How much carbon dioxide is stored in the farm's trees?

