

# North Carolina Tree Math

Name: \_\_\_\_\_



1. The Eastern Pine has a trunk diameter of 4 feet. How many inches of diameter are there in 6 trees?

Did you know the White pine is used to make furniture and matches?  
Its' seeds are a favorite food of the red squirrel.

2. A Christmas tree farm in Spruce Pine harvested several Fraser Fir trees to sell at a local farmer's market. There were three 12-foot trees, four 8-foot trees and six 5-foot trees. If the price per foot is \$6, how much will the farm make on these trees?

Did you know that the Fraser fir is only found in North Carolina's highest mountains? It is grown extensively for Christmas trees and is ranked as the number one Christmas tree by the Christmas tree industry.

3. The black walnut tree is about 75 feet tall. If a furniture maker bought 1,125 feet of walnut tree trunks, how many trees did they buy?

Did you know the black walnut is highly prized for a great variety of uses, including furniture, cabinet work and gun stocks? It is the most valuable of our hardwoods.

4. A logger cut down a 72-foot beech tree, 88-foot white pine, and two 81-foot red oaks. How much wood did he cut all together? What is this amount, rounded to the nearest hundred?

Did you know that all of these trees are used to make furniture? Beech trees are also used to make carpentry tools and the Northern Red Oak is used in home interiors and flooring.



# North Carolina Tree Math

Name: \_\_\_\_\_



5. A hiker came upon a 100-foot yellow poplar tree next to a smaller black locust tree. If the poplar was 3 times taller than the locust, about how tall was the locust?

Did you know the black locust is native only to our mountains? Its' wood is very resistant to decay so it is used extensively for fence posts and decking.

6. If the average songbird eats 6 holly berries, how many holly berries would it take to feed 347 birds?

Did you know holly berry is food for songbirds, deer, wild turkey and a wide variety of other animals? But eating holly berries would make a human sick!

7. A farmer harvested 168 feet of sassafras roots to make tea. If 6 inches of root is needed to make a batch of tea, how many batches can the farmer make?

Did you know sassafras roots, twigs and bark have a pleasant, spicy scent and contain oil of sassafras, which is used as a flavoring? Deer, turkey, bear, and many species of birds eat the fruit in early fall.

8. A sourwood tree has an average diameter of 8 inches. A poplar tree has a diameter that is 5 times bigger. About how many feet is this?

Sourwood trees are known for their small, white flowers which appear in early summer. Bees use the flower's nectar to make rich-colored honey which is widely enjoyed throughout the state.





## ANSWER KEY

1. The Eastern Pine has a trunk diameter of 4 feet. How many inches of diameter are there in 6 trees?

**288 inches**

Did you know the White pine is used to make furniture and matches?

Its' seeds are a favorite food of the red squirrel.

2. A Christmas tree farm in Spruce Pine harvested several Fraser Fir trees to sell at a local farmer's market. There were three 12-foot trees, four 8-foot trees and six 5-foot trees. If the price per foot is \$6, how much will the farm make on these trees?

Did you know that the Fraser fir is only found in North Carolina's highest mountains? It is grown extensively for Christmas trees and is ranked as the number one Christmas tree by the Christmas tree industry.

**\$588**

3. The black walnut tree is about 75 feet tall. If a furniture maker bought 1,125 feet of walnut tree trunks, how many trees did they buy?

**15**

Did you know the black walnut is highly prized for a great variety of uses, including furniture, cabinet work and gun stocks? It is the most valuable of our hardwoods.

4. A logger cut down a 72-foot beech tree, 88-foot white pine, and two 81-foot red oaks. How much wood did he cut all together? What is this amount, rounded to the nearest hundred?

Did you know that all of these trees are used to make furniture? Beech trees are also used to make carpentry tools and the Northern Red Oak is used in home interiors and flooring.

**322 feet, 300 rounded**



## ANSWER KEY

5. A hiker came upon a 100-foot yellow poplar tree next to a smaller black locust tree. If the poplar was 3 times taller than the locust, about how tall was the locust?

**About 33 feet tall**

Did you know the black locust is native only to our mountains? Its' wood is very resistant to decay so it is used extensively for fence posts and decking.

6. If the average songbird eats 6 holly berries, how many holly berries would it take to feed 347 birds?

Did you know holly berry is food for songbirds, deer, wild turkey and a wide variety of other animals? But eating holly berries would make a human sick!

**58 birds**

7. A farmer harvested 168 feet of sassafras roots to make tea. If 6 inches of root is needed to make a batch of tea, how many batches can the farmer make?

**366 batches**

Did you know sassafras roots, twigs and bark have a pleasant, spicy scent and contain oil of sassafras, which is used as a flavoring? Deer, turkey, bear, and many species of birds eat the fruit in early fall.

8. A sourwood tree has an average diameter of 8 inches. A poplar tree has a diameter that is 5 times bigger. About how many feet is this?

Sourwood trees are known for their small, white flowers which appear in early summer. Bees use the flower's nectar to make rich-colored honey which is widely enjoyed throughout the state.

**About 3 feet**