



Christmas Tree Worksheet

Objective(s):

Students will be able to identify and compute missing angles while finding missing variables for angles in a triangle.

Indiana Academic Standards:

Mathematics: Grade 7

Geometry and Measurement

7.GM.1 Explore triangles with given conditions from three measures of angles or sides, noticing when the conditions determine a unique triangle, more than one triangle, or no triangle.

7.GM.2 Identify and describe similarity relationships of polygons including the angle-angle criterion for similar triangles, and solve problems involving similarity.

National Agricultural Literacy Outcomes

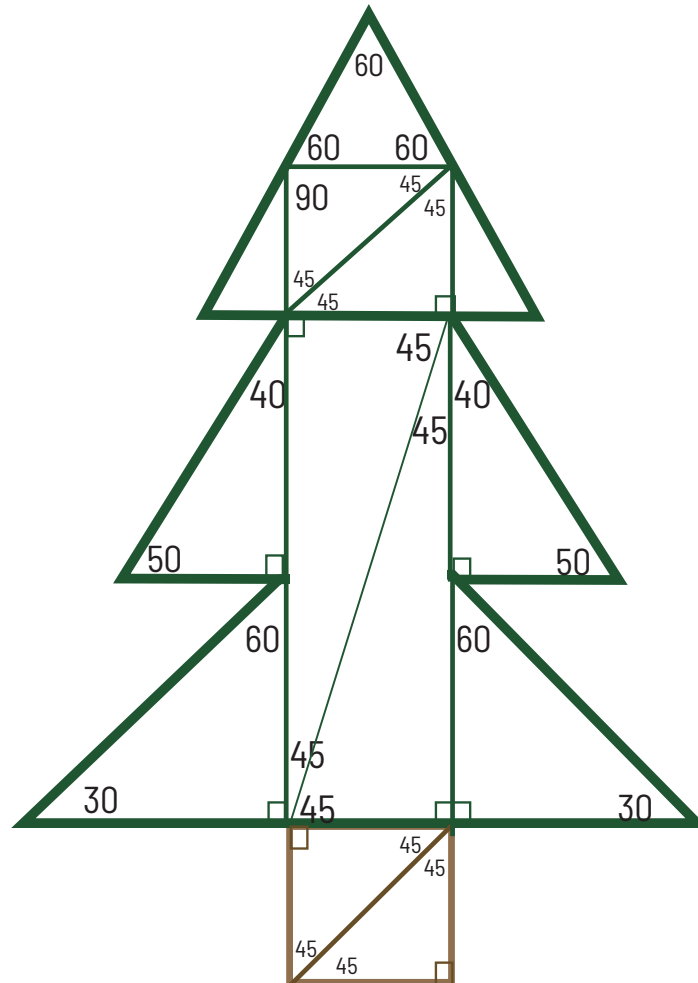
Plants and Animals for Food, Fiber & Energy Outcomes

T2.6-8.c. Identify farm practices for plant protection and the harvest of safe products for consumers

Materials:

- Writing utensil
- Student worksheet

Teacher Answer Key



Supplemental Information

- Christmas trees are a year-round business.
- It can take almost seven years for a Christmas tree to grow to its full size/
- Once the tree reaches the desired size, the farmer begins “shearing” the tree, which helps train the growth and the shape of the branches.
- There are about 15,000 Christmas tree farms across the U.S. Indiana’s largest Christmas tree farm, Dull’s Tree Farm, is located in Thorntown, Indiana.
- There are approximately 350 million Christmas Trees currently growing on tree farms across America.
- Americans use nearly 35 million Christmas trees annually.
- Christmas tree farmers contribute almost \$1.5 billion to the economy.
- **Careers:** Landscaper, horticulture technician, Christmas tree farm manager and conservation technician