

Notebook Template

Dino Height

1

Vencel, imagine you're looking at a towering Brachiosaurus! You're standing 10 meters away from its giant foot. You measure the angle from the ground to the top of its head and it's 30 degrees. How tall is the Brachiosaurus? (Hint: use the tangent!)

Dino Footprint

2

A T-Rex leaves a giant footprint! The footprint is 1 meter long, and the angle from the tip of the footprint to the top of the T-Rex's leg is 45 degrees. How long is the T-Rex's leg? (Hint: use the sine!)

Dino Tail

3

A Stegosaurus has a long, spiky tail. The tail is 3 meters long, and the angle the tail makes with the ground is 60 degrees. How far away from the Stegosaurus's body does the tail reach? (Hint: use the cosine!)

Dino Eggs

4

A Triceratops lays her eggs in a nest. The nest is 2 meters wide and 1 meter deep. If the angle from the ground to the top of the nest is 45 degrees, how high is the nest? (Hint: use the tangent!)

Dino Dig

5

You're digging for fossils! You find a piece of bone that's 1 meter long. You measure the angle of the bone in the ground and it's 30 degrees. How deep is the bone buried? (Hint: use the sine!)