

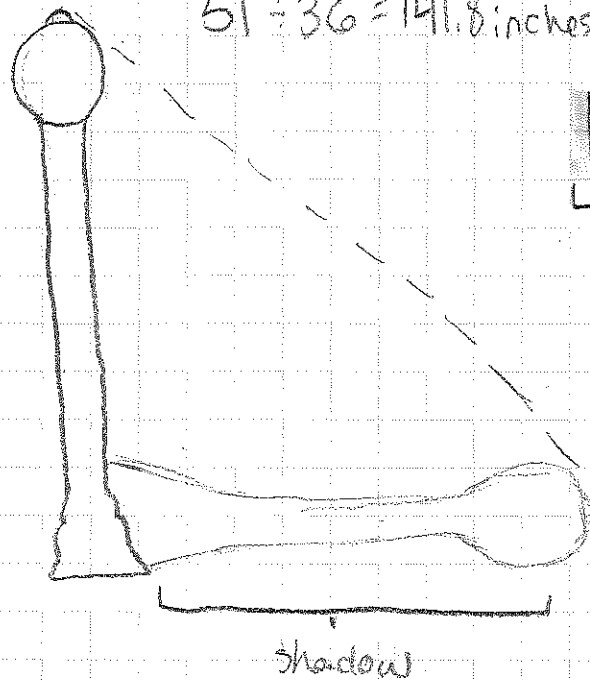
Kenzie Oct. 2, 2017

Lamp post height = 141.8 inches = 11 feet 9.18 inches

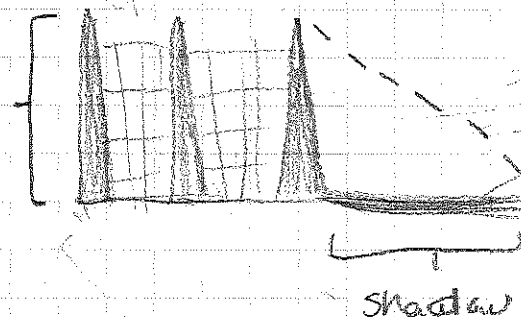
Lamp post shadow = 200 inches

Fence height = 36 } 12:17
Fence shadow = 51

$$51 \div 36 = 141.8 \text{ inches} = 11 \text{ feet } 9.18 \text{ inches}$$



11 feet 9.18 inches
height of the Lamp post



We measured the shadow of the lamp post
then we measured the height & shadow
of the fence. we used those 2 fence
measurements and found the ratio of the
height of the fence to the fence / shadow
then used the ratio to find the
Lamp post height.