

read from the bottom up

STEP 1: draw wheel centerline (hub center height)

$$350/4 = 87.5$$

write your numbers and calcs up here. Remember, 1:4 scale fits well on this size sheet. So if R is 350, you make the line 87.5mm above the ground.

2. then draw the radius of the wheel you want to ride. The radius of a 700x28 or a 650C x 41 is 340mm. To measure radius, set bike vertical and measure wheel axle to the ground. A Jack Brown's radius is 350mm, and that's what I've drawn here.

87.5 mm, in the case of a wheel with a diameter of 700mm and a radius of 350mm drawn at quarter scale. If you don't "get" this, I am not teaching it well, because it's really simple. But be that as it may, if this step baffles you (my fault), then you won't enjoy the subsequent ones.

1. near the bottom of the page, draw the ground line