>> si=95.7; so=41.7; f=1/((1/si)+(1/so))

f = 29.0443

>> si=75.2; so=28.9; f=1/((1/si)+(1/so))

f = 20.8768

The overall error in our calculation of R, based on curvature with the largest error, is found with assumed measurement errors of and . (by measurement error we assume 1/10th of the smallest discretization of our device, 0.1mm for a ruler and 0.001mm for a spherometer)

Image produced by first Lens is at a position and is given by so that

The object is at for the second lens and the final image is at so that so that

The magnification and the magnification , so that the total magnification is given by