

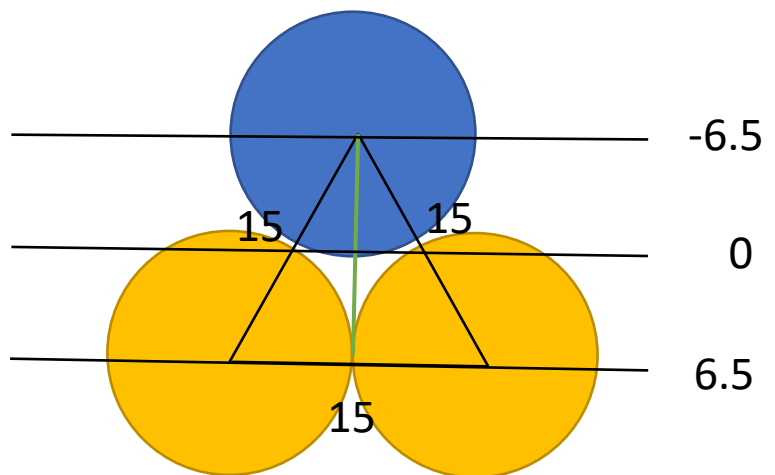
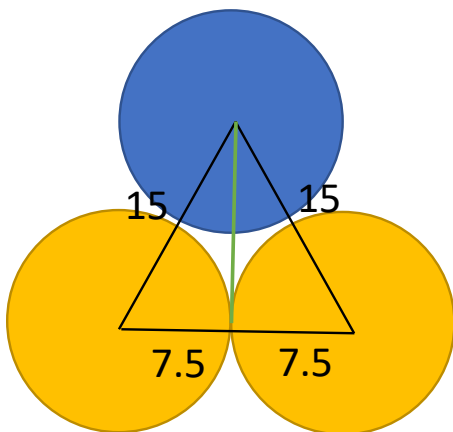
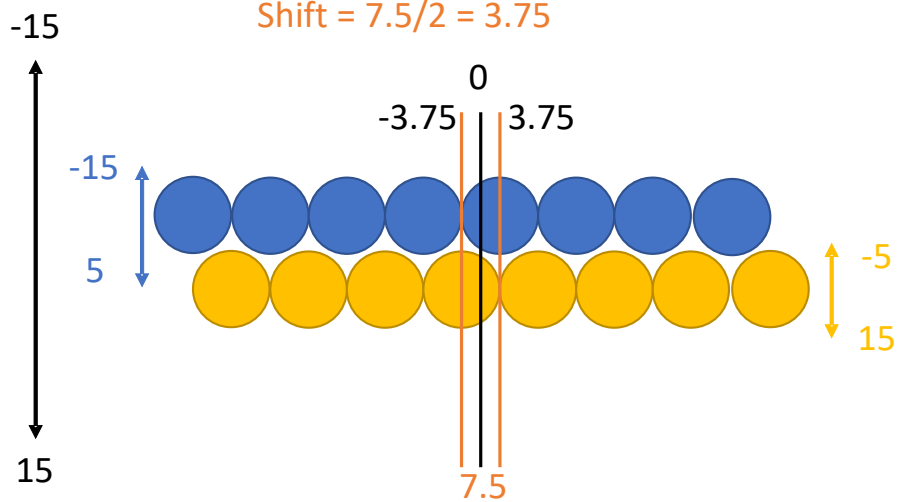
# MS-16H120

MS-16H120								
Top Row	Beam 1	Beam 2	Beam 3	Beam 4	Beam 5	Beam 6	Beam 7	Beam 8
Azimuth	-56.25	-41.25	-26.25	-11.25	3.75	18.75	33.75	48.75
Elevation	(5 to -15) 5 degrees down to 15 degrees Up							
Bottom Row	Beam 9	Beam 10	Beam 11	Beam 12	Beam 13	Beam 14	Beam 15	Beam 16
Azimuth	-48.75	-33.75	-18.75	-3.75	11.25	26.25	41.25	56.25
Elevation	(15 to -5) 15 degrees down to 5 degrees up)							

$120/8 = 15$  degrees per beam

$15/2 = 7.5$  degree

Shift =  $7.5/2 = 3.75$



Elevation tilt to keep  
Distance 15 degrees  
between all centers:  
 $\text{sqrt}(15*15 - 7.5*7.5)$   
 $= \text{sqrt}(168.75) = 13$