







Hipparchus scale

This system classified stars between 1-6, with 1 being the brightest. This was later redefined using a **logarithmic** scale

A difference in 1 on the app. mag scale corresponds to a difference in intensity of **x2.51 (there is a constant ratio in intensity)**

A magnitude 1 star has an intensity 100 times greater than a magnitude 6 star

APPARENT MAGNITUDE			
MAGNITUDE		BRIGHTNESS	
1	<i>x 2.5 dimmer</i>		
2	<i>x 2.5 dimmer</i>		x 2.5
3	<i>x 2.5 dimmer</i>		x 6.25
4	<i>x 2.5 dimmer</i>		x 16
5	<i>x 2.5 dimmer</i>		x 40
6	<i>x 2.5 dimmer</i>		x 100