

ANSWER SHEET FOR STAR CHART EXERCISE

Table of Stellar Coordinates

Star Name	Bayer Designation	R. A.	Dec.	Deci α	Deci δ	RA(cm)	Dec(cm)
Schedar	α Cas	0 ^h 41 ^m	+56° 35'	_____	_____	_____	_____
Acamar	θ Eri	2 59	-40 16	_____	_____	_____	_____
Bellatrix	γ Ori	5 26	+ 6 21	_____	_____	_____	_____
Canopus	α Car	6 23	-52 40	_____	_____	_____	_____
Wasat	δ Gem	7 21	+21 58	_____	_____	_____	_____
Algieba	γ Leo	10 20	+19 48	_____	_____	_____	_____
Algorab	δ Cor	12 30	-16 14	_____	_____	_____	_____
Mufrid	η Boo	13 ^h 55 ^m	+18° 02'	_____	_____	_____	_____
Izar	ε Boo	14 43	+27 17	_____	_____	_____	_____
	ε Sco	16 51	-34° 18'	_____	_____	_____	_____
Aldhibah	ζ Dra	17 09	+65 42	_____	_____	_____	_____
	δ Cyg	19 44	+45 00	_____	_____	_____	_____
Dabih	β Cap	20 21	-14 45	_____	_____	_____	_____
	ε Peg	21 45	+9 55	_____	_____	_____	_____
Fomalhaut	α PsA	22 ^h 55 ^m	-28° 53'	_____	_____	_____	_____

Table of Data for Chart Scale

Record data for determining the chart scales for RA and Dec below:

Measurements and calculation of RA chart scale:

Measured distance in cm (to hundredth place) _____ = _____ hours of RA.

RA chart scale (divide cm by hours) to 4 significant figures _____ cm/hr.

Measurements and calculation of Dec. chart scale:

Measured distance in cm (to hundredth place) _____ = _____ degrees of Dec.

Dec. chart scale (divide cm by degrees) to 4 significant figures _____ cm/deg.