Fill out the following table using Kepler's 3rd (harmonic) law:

Solar system body:	Distance from the Sun [au]	Orbital period [years]
Mercury	0.39	
Venus		0.62
Earth	1.00	
Mars		1.88
Jupiter	5.20	
Saturn		29.5
Uranus	19.18	
Neptune		165
Pluto	39.44	
Ceres		4.60
Eris	67.86	
Sedna		11,390
Quaoar	43.69	
Farfarout		717
Tempel 1	3.14	
Halley's comet		74.7
3737 Beckman	2.41	

Calculate Kepler's constant in SI units:

$(1au)^3/(1yr)^2$ = (_____ m)^3/(_____ s)^2 = _____ m^3/s^2.

Calculate Kepler's constant from Newton's law of gravity:

$GM_{Sun}/4\pi^2$ = (_____) (_____) / (_____) = _____ m^3/s^2.