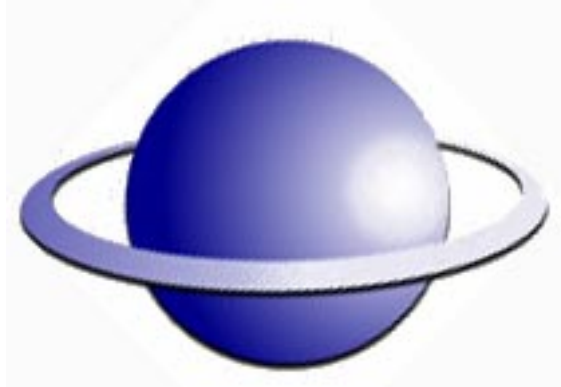


## Pi Day class opener

If the Earth were perfectly spherical, had no mountains or valleys, and you were actually able to tie a belt around its entire equator, how many feet, miles, or kilometers larger would that belt have to be if you wanted the belt to stand one foot off of the surface of the Earth over its entire way around?



Some useful facts:

- The circumference of the earth at the equator is 24,901 miles or 40,075 kilometers.
- The radius of the earth is about 3,959 miles or about 6,371 km.
- There are 5,280 feet in a mile.
- There are 3,280.84 feet in a kilometer.