Exercise 1.8

While driving in an exotic foreign land you see a speed limit sign that reads 180,000 furlongs per fortnight. How many miles per hour is this? (One furlong is $\frac{1}{8}$ mile, and a fortnight is 14 days. A furlong originally referred to the length of a plowed furrow.)

Solution

Let's find out.

180 000 furlongs	$\frac{1}{8}$ miles	1 fortnight	1 Jac _	$(180000)\left(\frac{1}{8}\right)(1)(1)$ miles	~ 67.0 miles
1 fortnight	1 furlong	14 days	$\times \frac{1}{24 \text{ hours}} -$	(1)(1)(14)(24) hour	$\approx 07.0 \frac{1}{\text{hour}}$