

Puzzler

Two freight trains each $\frac{1}{6}$ mile long and travelling 60 miles per hour meet and pass each other. How many seconds is it between when the locomotives pass each other and when the cabooses pass each other?

Solution: 10 seconds

When the locomotives meet the cabooses are $2/6 = 1/3$ of a mile apart and are approaching each other at 120 mph.

So it takes $1/360$ of an hour = 10 seconds to meet.

Review Problems Discussion