



0 Scale MPH

Calculation equations

Using a 60 inch straightaway (2 x 30" Fastrak sections) as the basis for scale MPH measurement:

- In 1:48 scale, one inch is equal to 4 feet, therefore a 60 inch section of track is equal to 240 scale feet.
- One mile is 5,280 feet. 5,280 divided by 240 is **22**. This is your conversion factor. The train would have to travel this distance 22 times to have gone 1 mile.
- Since the measurement will be in seconds, convert 1 hour to 3600 seconds.
- Time your train as it crosses the 60 inch section of track. Multiply the number of seconds it took by your conversion factor of 22.
- Divide 3600 by the number you reached in the previous step (seconds x 22) to get scale miles per hour!
- Example: my new New York Central Alco PA takes 104 seconds to travel 60 inches at Legacy speed step 1. 3600 divided by (104 x 22) = 1.57 MPH!