

GET HOME - FORCE MULTIPLIER



One of the challenges I see with get home bags, bug out bags, [ARK \(Autonomous Recovery Kit\) packs](#), etc. is that it is always assumed that the person with said bag is close to home or their intended bug out location to where walking is not a big deal, or they have reliable transportation to get them there. This does not work very well though for people that are out of shape, older, have severe medical conditions and so forth. This is regardless of a black swan event.

What most people do not know is that you have about 24 hours to get from point A to point B before people realize normal is gone. So, what should a person do if they are two hundred miles from their home, and a cataclysmic event unfolds? Time will be of the essence, and even if you can hike twenty miles a day with an ARK, you are going to need a force multiplier if you want to save yourself 10 days of exhaustive walking home or to your loved ones. And that is where a scooter comes in.

Now, I am not talking about a little kid's razor. I am talking about an adult-sized hard-tired push scooter that can easily be folded up and placed into your trunk or the back of your truck. Preparedness is not always about carrying more gear. Sometimes it is about finding force multipliers that allow you to conserve energy while covering more ground.

SCENARIO:

You are on business in East Tennessee and while at breakfast in your hotel lobby, you hear people panicking.

"What's going on?" You ask an elderly man.

"Widespread terrorists' attacks are happening across the major cities in the US... don't you watch the news?"

Embarrassed, you peel away from the conversation, sprint to your room, throw everything into your luggage and you head to the rental parked outside.

Seconds count, and you need to head home ASAP. You will get caught up to speed with the news on the radio. Which, after an hour of driving East, is worse than you thought. Eighty-three attacks across the US and counting. As you reach the NC mountains, your SUV begins losing all power and you slowly glide to a complete

halt. EMP (Electromagnetic Pulse) more than likely. You are seventy-nine miles from home. That is 4 days of walking, or one long day of scootering. You grab your ARK loadout, the scooter from the rear seat, and you start pushing East.

THE CALCULATIONS:

Before I go any further, I can let you know, the reader, I am more a math guy than a writer. But I can tell you, the math on the scooter is a massive force multiplier.

Example: On a straight road and one decent push, I have been able to assess that I can save at least five -seven Meters per push, or fifteen to twenty feet. If a person's pace count is sixty-seven, that is give or take ten pushes per one hundred Meters. That is approximately one hundred pushes per 1k meters, which is .62 miles. Again, this is for a straight terrain on asphalt in clear sunny morning spring conditions. Weather, geography, age of the rider, season will all affect this number, but this is a good base line.

To get home, you would need to push off over 12k times. But this is where the math works... you are tripling and at times quadrupling your distance scootering to walking ratio. Thus, you will exert less calories and increase your travel distance exponentially.

***“Preparedness is not always about carrying more gear.
Sometimes it is about finding force multipliers that allow you to
conserve energy while covering more ground.”***



WALKING VS. PUSH SCOOTER: THE NUMBERS

STRAIGHT TERRAIN • ASPHALT • CLEAR CONDITIONS • 25 LB PACK



ABOUT THE NUMBERS:

I measured the average distance from a single controlled push on level pavement while wearing my pack. From there, I used military pace-count standards and conservative calculations to estimate pushes for longer distances. Real-world variables will affect actual travel distance and time. The goal is to illustrate the force-multiplier potential of a push scooter—not to predict an exact outcome.



GOAL: GET HOME

DISTANCE: 80 MILES
(128,747 METERS)

1. WALKING (RUCKING)



Military Pace Count:
67 PACES PER 100 METERS



Daily Distance
(planning assumption):
20 MILES PER DAY



Time to Cover 80 Miles:
≈ 4.0 DAYS



Total Propulsion Movements
(Paces Needed):
≈ 86,260 PACES

2. PUSH SCOOTER (WITH 25 LB PACK)



Average Glide Per Push
(controlled measurement):
5 METERS (≈ 15 FEET)



Pushes Per 100 Meters:
20 PUSHES



Daily Distance
(planning assumption):
45–55 MILES PER DAY



Time to Cover 80 Miles:
≈ 1.5 – 1.8 DAYS

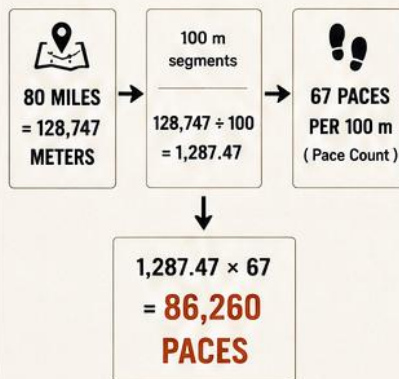


Total Propulsion Movements
(Pushes Needed):
≈ 25,750 PUSHES

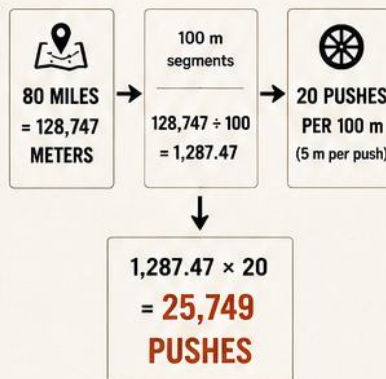
3. THE CALCULATIONS: HOW THE NUMBERS WERE DERIVED



WALKING (RUCKING)



PUSH SCOOTER



DIRECT COMPARISON (SAME DISTANCE)

86,260
PACES

25,750
PUSHES



VS.



INSTEAD OF ~86,000 WALKING PACES,
YOU'LL MAKE ONLY

~25,750 PUSHES

THAT'S

≈ 70% FEWER
PROPULSION MOVEMENTS

EACH SCOOTER PUSH REPLACES
APPROXIMATELY 3.35 WALKING PACES.

ASSUMPTIONS USED IN THIS MODEL

- Straight terrain
- Asphalt surface
- Clear conditions
- 25 lb pack
- Military pace count standard: 67 paces per 100 meters
- Average glide per push (controlled measurement): 5 meters
- Daily distance is a planning assumption, not a measured result.

PLANNING ASSUMPTION RANGE: DAILY DISTANCE & TIME TO COVER 80 MILES



Daily Distance (Planning Assumption)	Time to Cover 80 Miles (Push Scooter)
45 Miles / Day	≈ 1.78 Days
50 Miles / Day	≈ 1.60 Days
55 Miles / Day	≈ 1.45 Days

Actual time and distance will vary based on terrain,
weather, road conditions, fitness, load weight,
and the circumstances surrounding the emergency.

WHY THIS MATTERS

Fewer propulsion movements mean less repetitive stress, lower energy expenditure, and the ability to cover more ground in less time—critical factors when time, energy, and distance are working against you.

★ LESS PROPULSION MOVEMENTS. LESS FATIGUE. MORE DISTANCE. GET HOME. ★

THE PROS AND CONS OF SCOOTERING:

First for the Pros:

- An inexpensive investment.
- Easily rattle can spray paint able.
- Low profile.
- Does not need batteries or fuel.
- Will never get a flat tire.
- Easy to learn.
- Can easily be ditched (as opposed to dismounting a bike) if you need to engage an attacker or quickly need to hide.

Now, the cons:

- Balancing with a 25 lb. pack gets some getting used to.
- Can be brutal going downhill.
- Does not work well on ice / snow.
- Can be exhausting on a dominant push leg if you do not switch up every now and then, which means you need to be ambidextrous if possible.
- You WILL lose all cool points once someone spots you on one of these, especially if you fall off. Oof.

CONCLUSION:

At around \$150, a push scooter may be a significant investment for some people. It may also be impractical in mountainous areas or colder climates. Still, if you are older, out of shape, or have physical limitations, it may be a solution you have not considered. Again, this is only a worst-case option for a much larger problem if an emergency arises as progression-based preparedness recognizes that every preparedness decision affects the next.

Stay healthy, keep the faith, and have fun scootering!

Sgt. Silverman

DISCLAIMER:

I am not a licensed nutritionist, financial advisor, or medical doctor. The information in this article is for information purposes only and does not replace professional treatment, diagnosis, or advice. Always check with your physician or qualified healthcare provider with any medical questions, and never disregard professional medical advice based on something you read here.

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AI-Assisted Visuals & Examples

If you've been reading Tertiary Prepper for any length of time, you've probably noticed charts, graphs, calculations, and visuals that explain preparedness concepts in ways you don't normally see discussed. Many of those examples were created with the assistance of artificial intelligence—but only after I gave it very specific instructions on what I wanted to teach.

I don't use AI to create my preparedness philosophy. I use it to help visualize it.

Many of the tertiary concepts discussed throughout this magazine—such as **Sustainment Foraging**, **Pressure Testing**, **The Autonomous Recovery Kit (ARK)**, **Quiet Protein**, and other original frameworks—are my own ideas and observations. AI simply helps me communicate those concepts through charts, graphics, and examples that make them easier to understand for you, the reader.

Preparedness is rarely black and white. There are very few absolute right or wrong answers—only different experiences, different priorities, and different ways of solving the same problem. My hope is that these articles simply give us another reason to sit around the campfire, challenge conventional thinking, and ponder practical solutions together.