

# LET'S TALK SANTA!

According to UNICEF (United Nations Children's Fund), there are about 2.5 billion children under 18 in the world!

If you wanted to figure out how long it would take Santa Claus to travel around the world and deliver one gift to each child, what questions would you have to answer? What data would you need for your calculation?



VladGans via Getty Images

# LET'S TALK SANTA

According to UNICEF (United Nations Children's Fund), there are about 2.5 billion children under 18 in the world!

## Possible questions:

- Since there may be more than one child per home, how many homes need to be visited for a present(s) drop?
- How long does it take for each drop?
- How fast does the sleigh travel?
- Does the sleigh slow down for the drops?
- What is the overall distance to be traveled?
- Is there a weight limit on the sleigh? What's the average weight of a present?
- How many presents can the sleigh hold? Will Santa have to return to the North Pole to get more presents?
- Can Santa stop for a bathroom break? How much time should be allowed?



# FOR SOME S.T.E.M. OF SANTA, CHECK THESE OUT! HO HO HO!

Popular Science <https://www.popsci.com/science/article/2012-12/fyi-how-long-would-it-take-santa-deliver-presents-every-kid-earth/>

Fermi Lab <https://www.fnal.gov/pub/ferminews/santa/>

The Atlantic <https://www.theatlantic.com/technology/archive/2011/12/santas-christmas-eve-workload-calculated/249844/>

