

teardown

exercise purpose

practice part of the product benchmarking process

observe realistic design details

more secondary research practice

practice organizing your team and moving fast

organize information so others can understand it

create a display of details for all teams!

example

a scanner teardown



instructions

deliverable. a pegboard display to
understand what the product is
see what parts are in the product
learn about part materials and costs



instructions

deliverable. what to display?

the product's parts

pictures of the product's unpacking

pictures of product at key disassembly stages

the product's packaging



instructions

resources. for tearing down
safety glasses with your name on them!
a product to teardown
your team's tools
learn about part materials and costs



instructions

resources. for researching
your computer devices
guidelines for identifying plastics
magnets and lighters for materials identification
guidelines for estimating costs
scales for weighing parts
a costing **expert consultant**



instructions

resources. for displaying

foam mounting tape

zip ties

bags for small parts

your phone cameras

dropbox link on website to print 4x6 photos

black sharpies

stickers for product and part information



instructions

resources. for displaying
product information sticker (2 sheets)

product name:
target customer:
retail cost:
estimated production volume:
location of manufacture:
estimated labor cost:
cost of the most expensive part:



instructions

resources. for displaying
part information sticker (15, 6 sticker sheets)

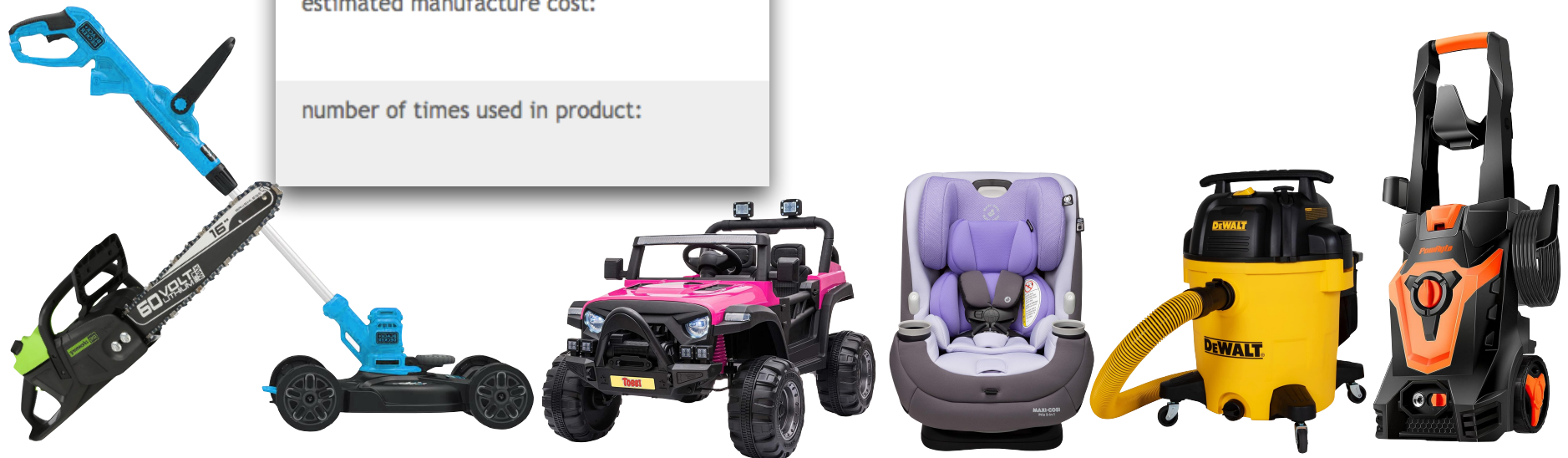
part material:

method of manufacture:

estimated manufacture cost:

number of times used in product:

indicate data quality
guess, hunch, estimate, know



getting it done

go to your team area!

things are laid out to help you organize

put your safety glasses on

tool officers, open your team's cabinets

develop a work plan (teardown, research, display)

if your product has a battery, consult with us first

complete the deliverable, safely

have your team picture taken at the end

enjoy the displays!