

# Estimating with Tee Shirt Sizes

by Mike Cohn •

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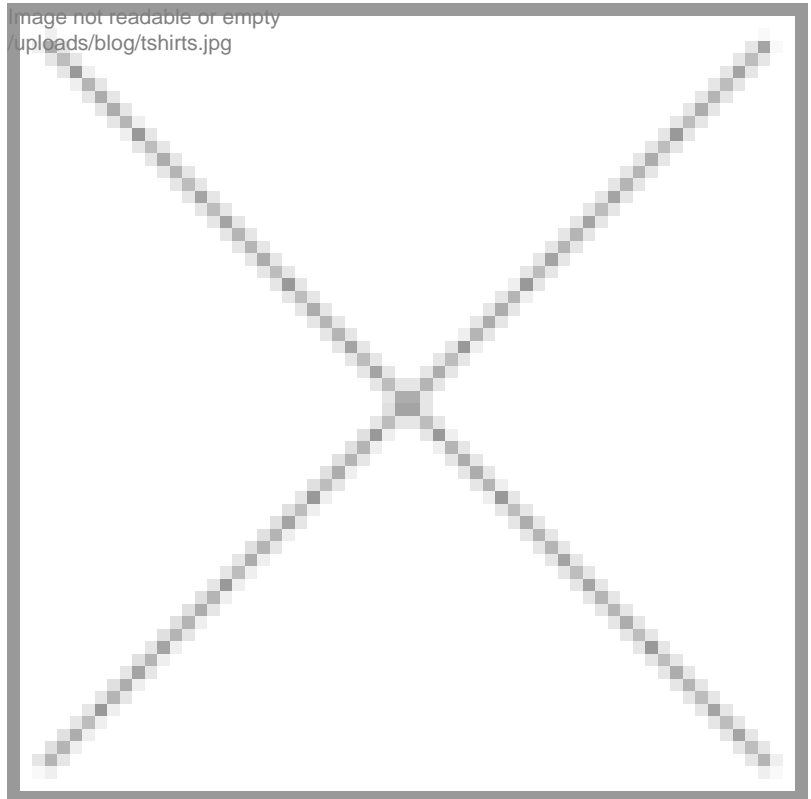
I occasionally encounter the use of t-shirt sizes (Small, Medium, Large, or so on) in use as estimating units by teams. T-shirt sizes are an OK approach to getting started with relative estimating, but they suffer from two severe weaknesses:

- They aren't additive. You cannot tell a boss you'll be done in 3 mediums, 4 larges, and 2 petites.
- Your view of an XL may not match mine. You may think it's 50% bigger than an L; I may think 25% bigger.

Teams get around both weaknesses with some underlying assumptions (hopefully stated) about size. They may, for example, state, "Let's call a medium a 5 and a large a 10."

The primary advantage to t-shirt sizes is the ease of getting started. If a team needs to start with t-shirt sizes, that's fine. Later, though, that team will be better off using numbers directly. I might forget that an XL is 33% bigger than an L. I won't forget that a 10 is twice a 5. (If I do, the team has a different problem!)

T-shirt sizes can be a great way of becoming accustomed to relative estimating. So, start with them if your team finds that easier. But minimally put some underlying numbers on them (e.g.,



Medium=5) and then gradually shift to using the numbers directly.

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**Tagged:** scrum teams, estimating, transitioning to agile

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### About the Author

As the founder of Mountain Goat Software, Mike Cohn specializes in helping companies adopt and improve their use of agile processes and techniques to build extremely high-performance teams. He is the author of *User Stories Applied for Agile Software Development*, *Agile Estimating and Planning*, and *Succeeding with Agile*. Mike is a founding member of the Agile Alliance and Scrum Alliance. Mike can be reached at [hello@mountaingoatsoftware.com](mailto:hello@mountaingoatsoftware.com). If you want to succeed with agile, you can also [have Mike email you a short tip](#) each week.

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