# ROI Estimate

**Variables**:

* Tester Cost per Hour (**TC/H**): $96.50
* Documentation Build Time per Tester (**DBT/T**): 300 – 480 seconds
* Documentation Build Time per Script (**DBT/S**): 3 – 5 Seconds

**Fundamental Questions**:

* How many documentation documents can be produced by a tester each hour?
  + (3600 / 480) through (3600 / 300)
  + 7.5 – 12 Documents
* How many documentation documents can be produced by the script each hour?
  + (3600 / 5) through (3600 / 3)
  + 720 – 1200 Documents
* What is the productivity increase of the script compared to a tester?
  + ((720 / 12) \* 100) through ((1200 / 7.5) \* 100)
  + 6000% - 16,000%

**Real Life Scenario**:

* Consider the current regression test suite
  + 149 Tests
* Tester’s writing documentation
  + **DBT/T** = 300 🡪 12 Documents Built/Hour
  + 149/12 = 12.4 hours
  + 12.4 \* $96.50 = **$1,196.6**
* Script writing documentation
  + **DBT/S** = 5 🡪 720 Documents Built/Hour
  + 149/720 = .206 or 12minutes
  + .206 \* $96.50 = **$19.97**

**Total Savings**:

* $1,196.6 - $19.97 = **$1,176.63**