

Process Improvement

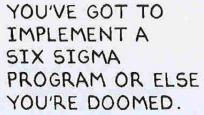
Clifford Thorstenson

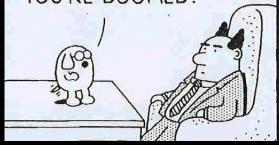
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Overview

- Philosophies
- A few Tools
- Implementation Tips

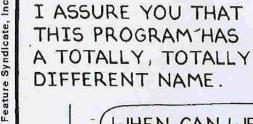




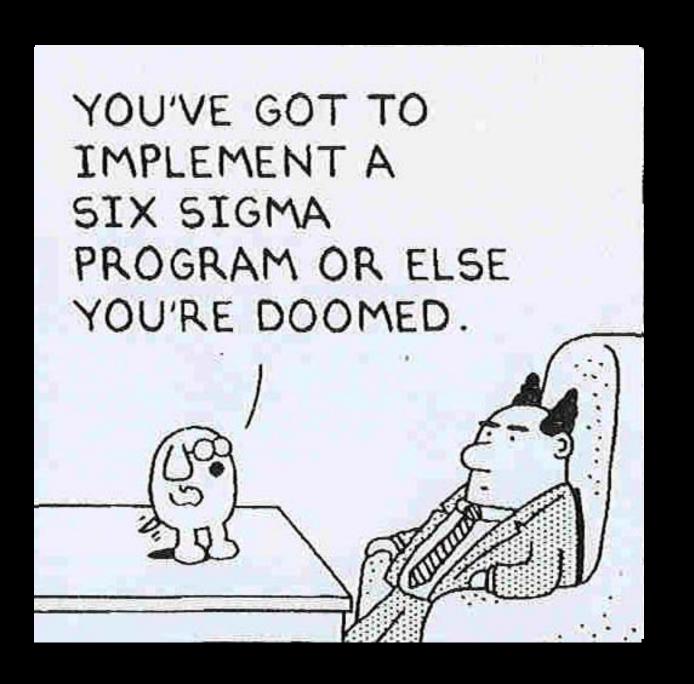
AREN'T YOU THE SAME CONSULTANT WHO SOLD US THE WORTHLESS TOM PROGRAM A FEW YEARS AGO?

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Process Improvement

Many complementary philosophies.

- Lean emphasizes minimizing waste and adding value for the customer
- Six Sigma emphasizes minimizing variation and eliminating defects
- Theory of Constraints emphasizes identifying and removing bottlenecks

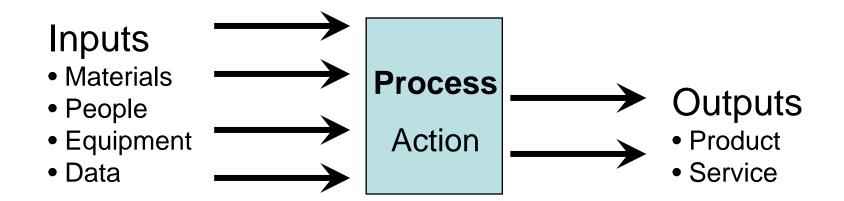
Service Programs

- Navy Airspeed
- Army Lean Six Sigma
- Air Force Smart Ops 21

All combine a variety of tools and techniques to improve their Enterprise Processes

Process Defined

 Any activity that takes inputs, performs actions on the inputs, and results in outputs



Three Views of a Process

- 1. Policy (documented)
- 2. Leadership View as applied
- 3. What is really happening

Value Stream Mapping

 A key starting point for process improvement

Value Defined

Value-Added Activities

- Transforms or shapes material or information
- Customer wants it
- Done right the first time

Required Waste

- No value created but required by current technology
- No value created but required by current thinking
- No value created but required by process limitations

Waste

- Consume resources but create no value for the customer
- Pure waste

Eliminate Waste

Types of Waste

- Defects
- Over Production
- Transportation
- Movement
- Waiting
- Inventory
- Over Processing
- Lost Creativity



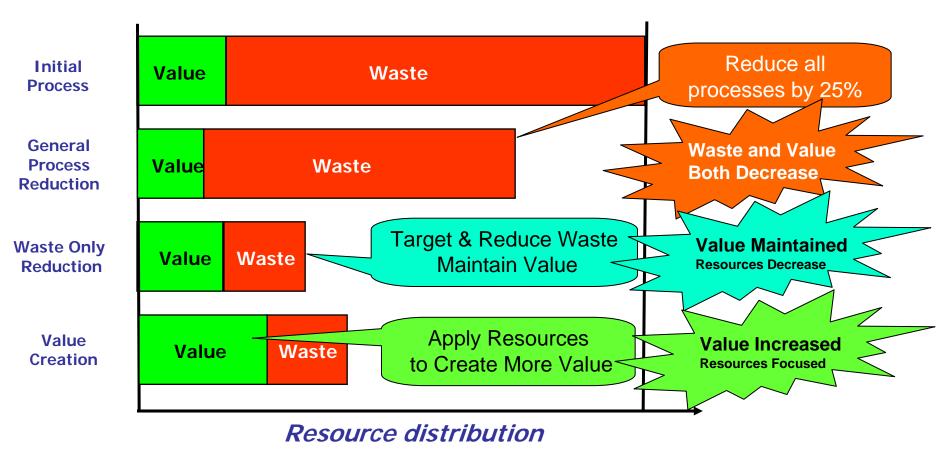
Value Stream Mapping

- Define the boundaries
- "Walk" the process
 - •Identify tasks and flows of material and information between them
- Gather data
 - •Identify resources for each task and flow
- Create the "Current State" map
- Define the value
- Analyze current conditions
 - •Identify value added
 - Identify waste
- Visualize "Ideal State"
- Create the "Future State" map
 - •Change process to eliminate waste and maximize value
- Develop action plans and tracking





Lean Emphases



oity for improvement by reducing a

Opportunity for improvement by reducing waste and creating additional value

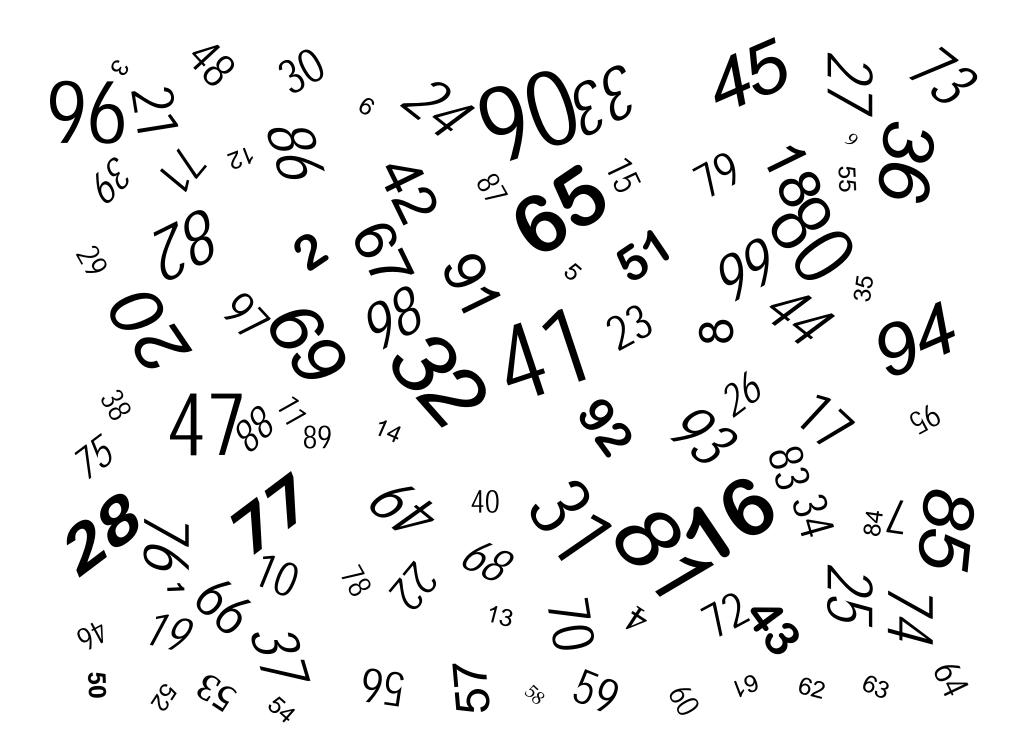
6 S Overview

- Simplify
- Shine
- Sort
- Standardize
- Sustain
- Safety

6S Activity

Find the numbers from 1 to 49 in order

You will have 20 Seconds



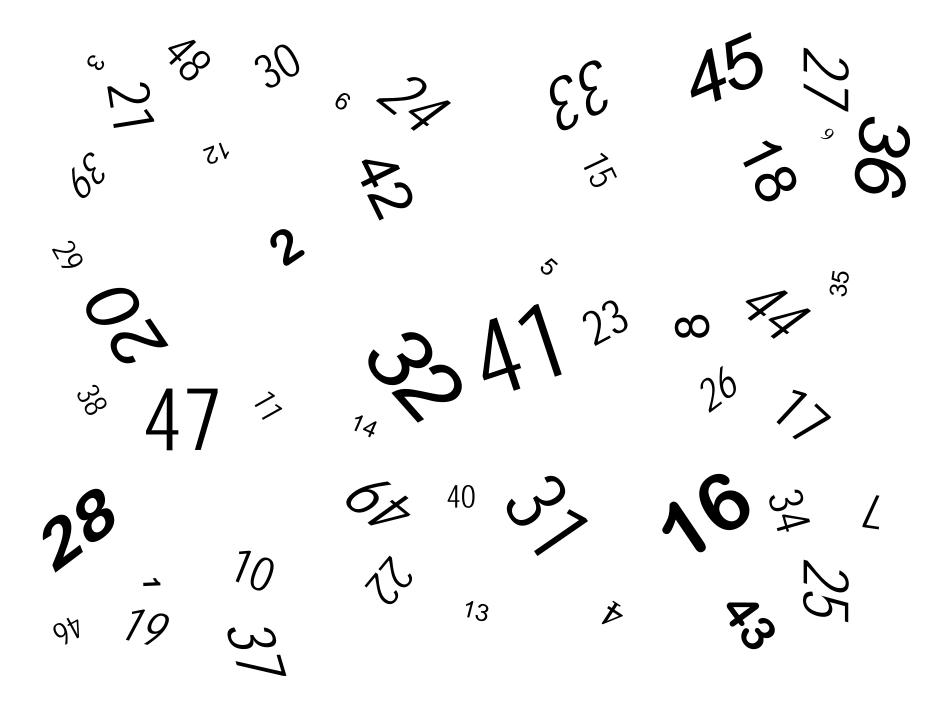
Results check

- 0
- 1,2,3,4,5
- 6,7,8,9,10
- 11,12,13,14,15
- 16 or greater

Let's remove some clutter

- Find the numbers from
- 1 to 49 <u>in order</u>

You will have 20 Seconds



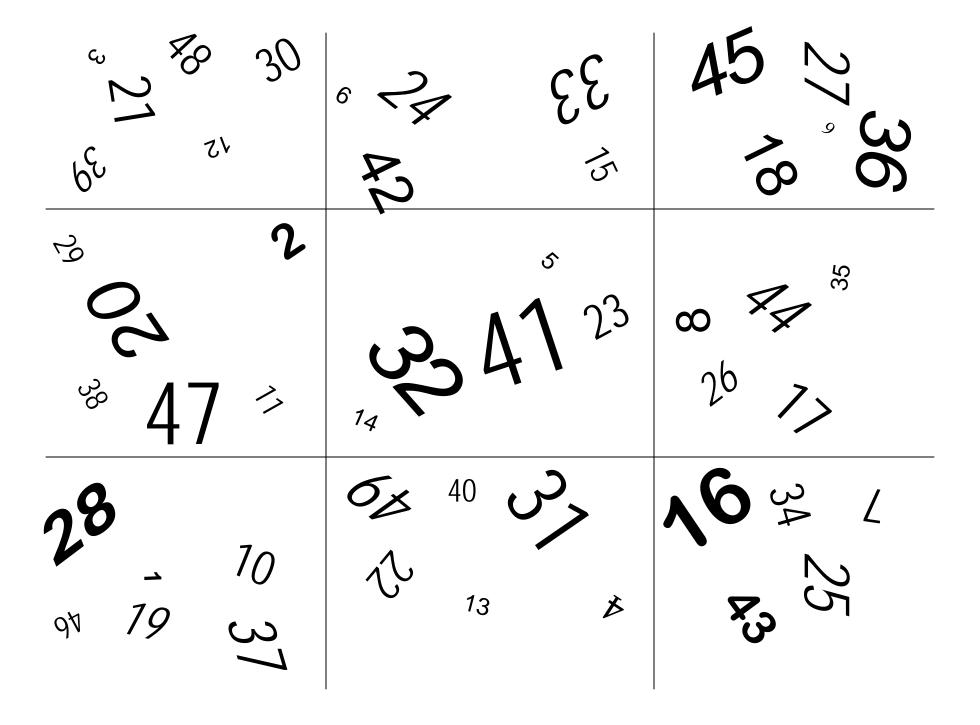
Results check

- 0
- 1,2,3,4,5
- 6,7,8,9,10
- 11,12,13,14,15
- 16,17,18,19,20
- 21 or greater

Let's add some order

- Find the numbers from
- 1 to 49 <u>in order</u>

You will have 20 Seconds



Results check

- 0
- 1,2,3,4,5
- 6,7,8,9,10
- 11,12,13,14,15
- 16,17,18,19,20
- 21,22,23,24,25
- 26,27,28,29,30
- 31 or greater

Let's add clear order

- Find the numbers from
- 1 to 49 <u>in order</u>

You will have 20 Seconds

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Keys to Successful Implementation

- Journey Mindset
- Visible Leadership Support
- Mutual Trust
- Aligned Reward System

This is a Culture Change

DAU Continuous Learning Center

https://learn.dau.mil/html/clc/Clc.jsp

select the "Course Information & Access" link.

CLE 004, Introduction to Lean Enterprise Concepts

CLE 008, Six Sigma: Concepts and Process

CLE 007, Lean-Six Sigma

CLE 001, Value Engineering.

CLE 015, Continuous Process Improvement Familiarization.





Thank you for Participating

For additional information, please contact:

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