LeanActivity Quick Action Game

Version 1.4, 02/04/2020

Introduction

Welcome to this game. This game is designed in order to show you the impact of Gamification on understanding Lean principles.

This game is based on the idea of 5S. One major effect of 5S is the increase in transparency, resulting in much quicker actions.

In the game we assume that you are an operator working on a fixed station. For your work, you need some particular tools like a hammer, saw or screwdrivers.

The goal of this game is to pick the required tools as quickly as possible. As many times, your station is not arranged according to 5S principles. So let's see how we start and how to improve your work station from round to round.

Please be fair and do not jump right into the next pages, but read this first:

– Each of the next pages is one game round. Go through the game round by round and <u>do not have a look to any of the next rounds yet!</u>
– Each page shows two drawers with tools and stuff inside the drawers. On top of the page is a list of required items.
– Use a pen for this game, to mark the required tools in your drawer by crossing the tool inside the drawer.
– Measure the time from the moment you turn the page to the dedicated game round.
– In each round, you have 30 seconds to find all tools. If 30 seconds passed, the game round is over.

Round 1 – The Initial Situation
Let's get started

Your task:
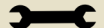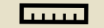1. *Find and mark all required tools in the two drawers below.*

The required tools are defined on the right.

You have 30 seconds.

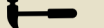Let's start!

Result: How many unnecessary tools did you find:

Required tools on work station:

5x screwdriver in different sizes
5x spanner in different sizes
1x pen
1x safety glasses
1x hammer
1x saw
1x ruler
2x tongs

From time to time the operator needs:

1x scissor
1x box cutter
1x magnet
A few screws

Round 2 – Without unrequired items
Sort out all unrequired items

All unrequired tools are removed from the drawer.

Your task:
1. *Find and mark all required tools in the two drawers below.*
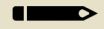
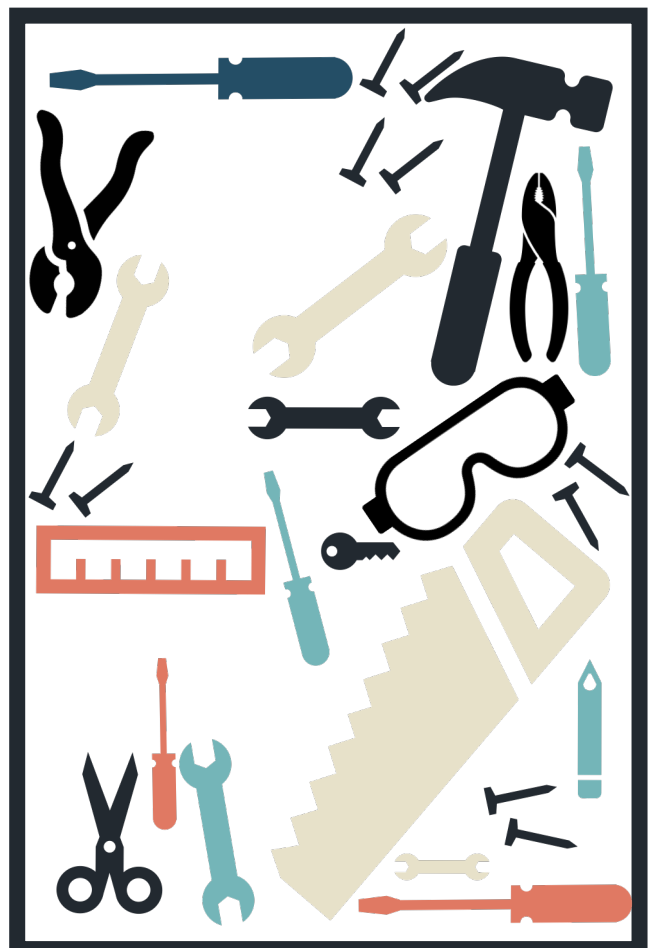The required tools are defined on the right. You have 30 seconds.

Let's start!

Result: How many unnecessary tools did you find:

Required tools on work station:

- 5x screwdriver in different sizes
- 5x spanner in different sizes
- 1x pen
- 1x safety glasses
- 1x hammer
- 1x saw
- 1x ruler
- 2x tongs

From time to time the operator needs:

- 1x scissor
- 1x box cutter
- 1x magnet
- A few screws

Round 3 – Reduction of Duplicates
Remove some of the duplicated tools and items

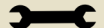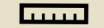Some duplicated tools have been removed.

Your task:
1. *Find and mark all required tools in the two drawers below.*

The required tools are defined on the right. You have 30 seconds.
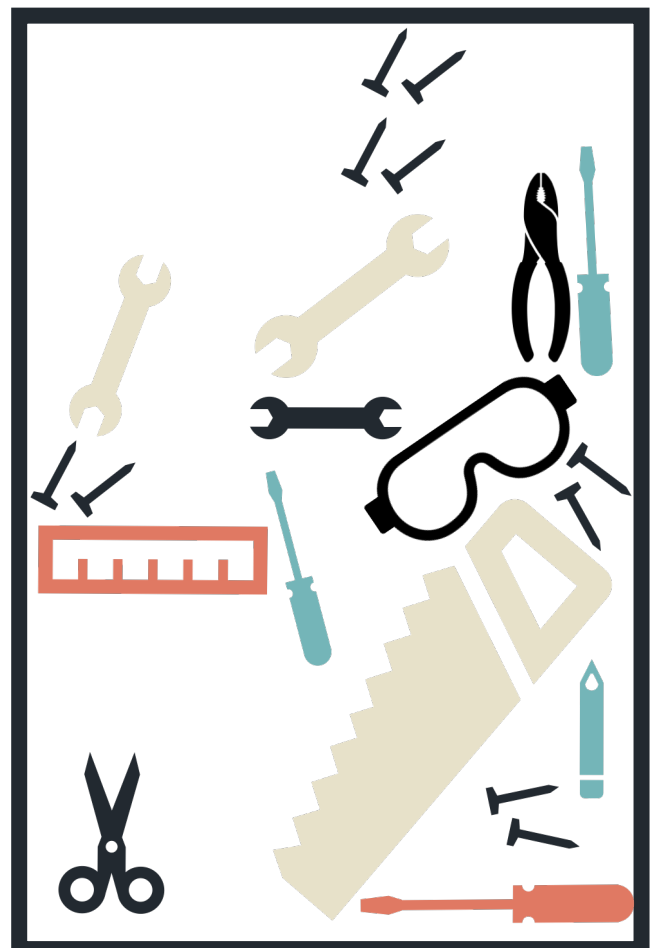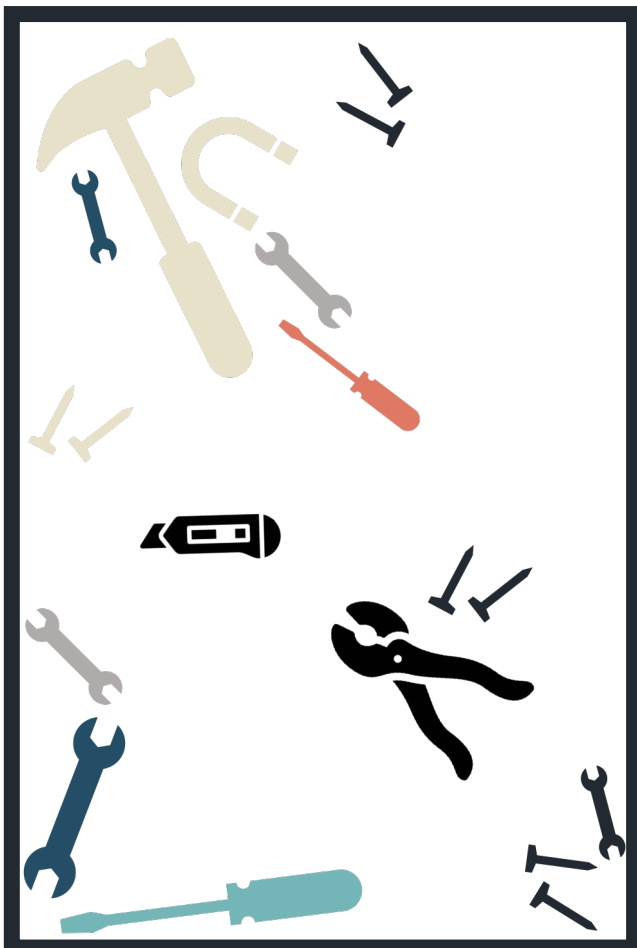
Let's start!

Result: How many unnecessary tools did you find:

Required tools on work station:

5x screwdriver in different sizes
5x spanner in different sizes
1x pen
1x safety glasses
1x hammer
1x saw
1x ruler
2x tongs

From time to time the operator needs:

1x scissor
1x box cutter
1x magnet
A few screws

Round 4 – Standardized tools
Let's get the tools in common look

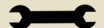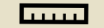All tools are now with a common look.

Your task:
1. *Find and mark all required tools in the two drawers below.*

The required tools are defined on the right. You have 30 seconds.

Let's start!

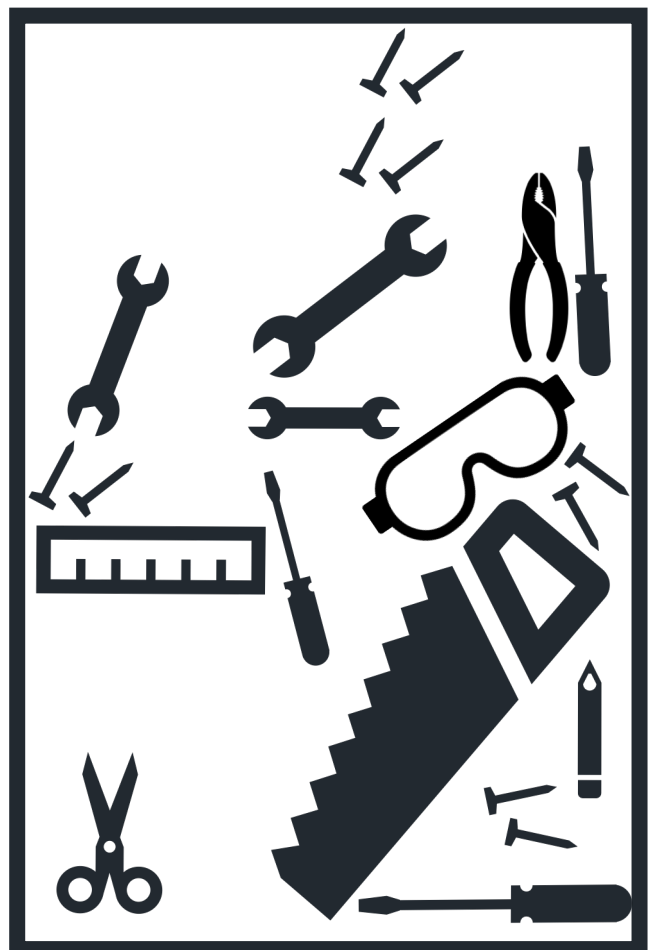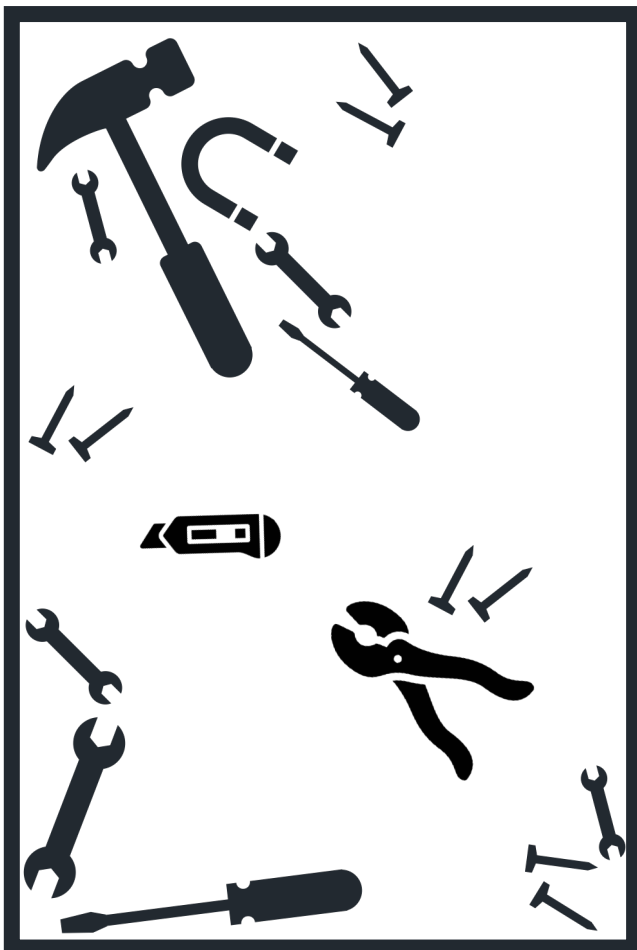**Result:** How many unnecessary tools did you find:

Required tools on work station:

5x screwdriver in different sizes
5x spanner in different sizes
1x pen
1x safety glasses
1x hammer
1x saw
1x ruler
2x tongs

From time to time the operator needs:

1x scissor
1x box cutter
1x magnet
A few screws

Round 5 – Implement Shadow Boards
All fits into one drawer

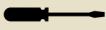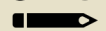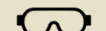We reduced the number of drawers, sorted and standardized the items.

Your task:
1. *Find and mark all required tools in the two drawers below.*

The required tools are defined on the right. You have 30 seconds.

Let's start!

Result: How many unnecessary tools did you find:

Required tools on work station:

5x screwdriver in different sizes
5x spanner in different sizes
1x pen
1x safety glasses
1x hammer
1x saw
1x ruler
2x tongs

From time to time the operator needs:

1x scissor
1x box cutter
1x magnet
A few screws