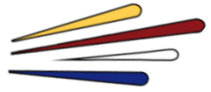


# 5S Workbench organization

06/09/21

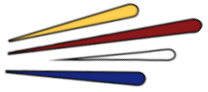




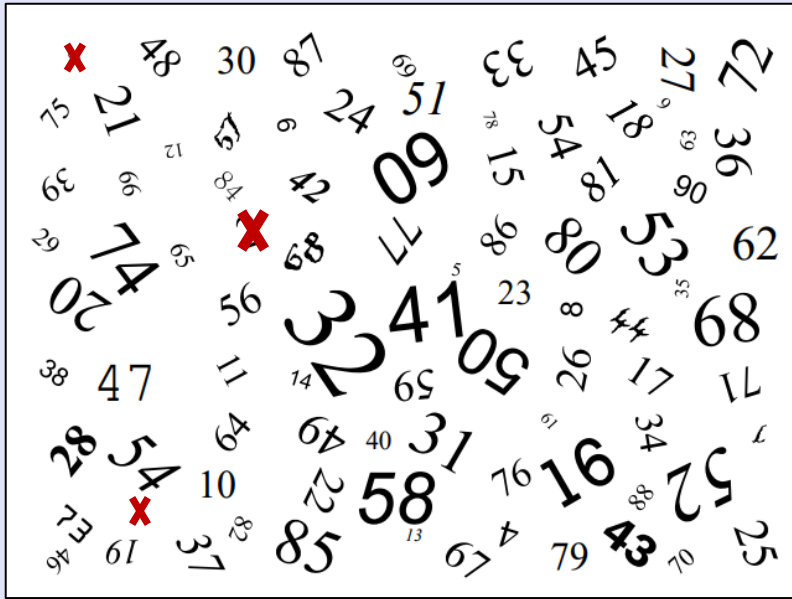
## Workbench Organization – Goals

- Implement the 5S methodology in real conditions
- Make an efficient and organized workbench
- Have an ergonomic work environment



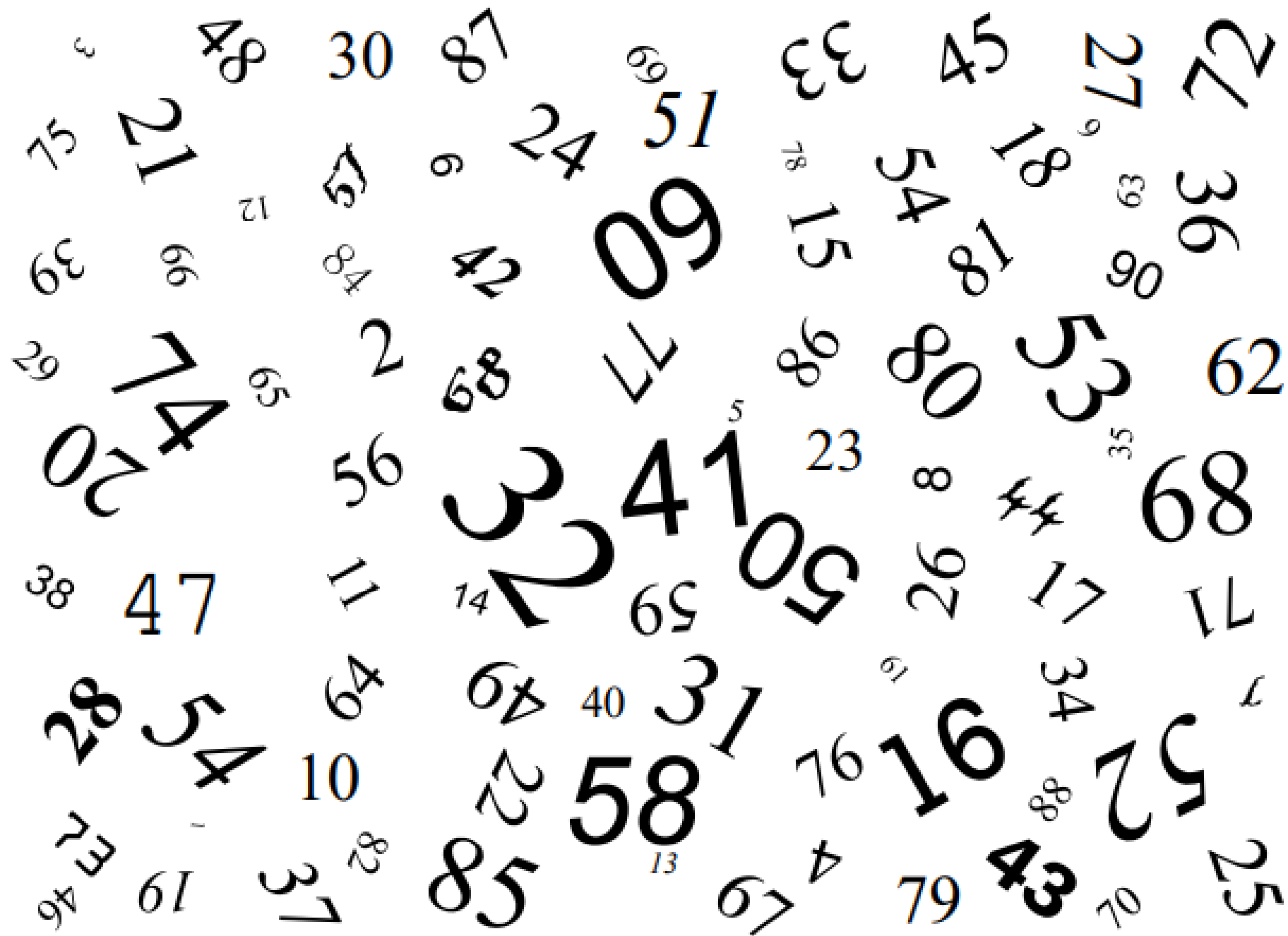


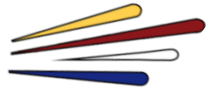
# Introduction



→ Our Workbench

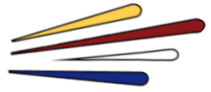
- Manufacturing process: crossing out the numbers from 1 to 49 in ascending order.
- Manufacturing time: 20 seconds





Stop !

How far did you go?

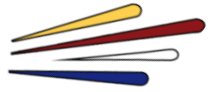


## Introducing the 5S

Are you satisfied with your performance ?

Do you think you could have done better ?

We will now improve your performances with the 5S methodology in our Workshop.



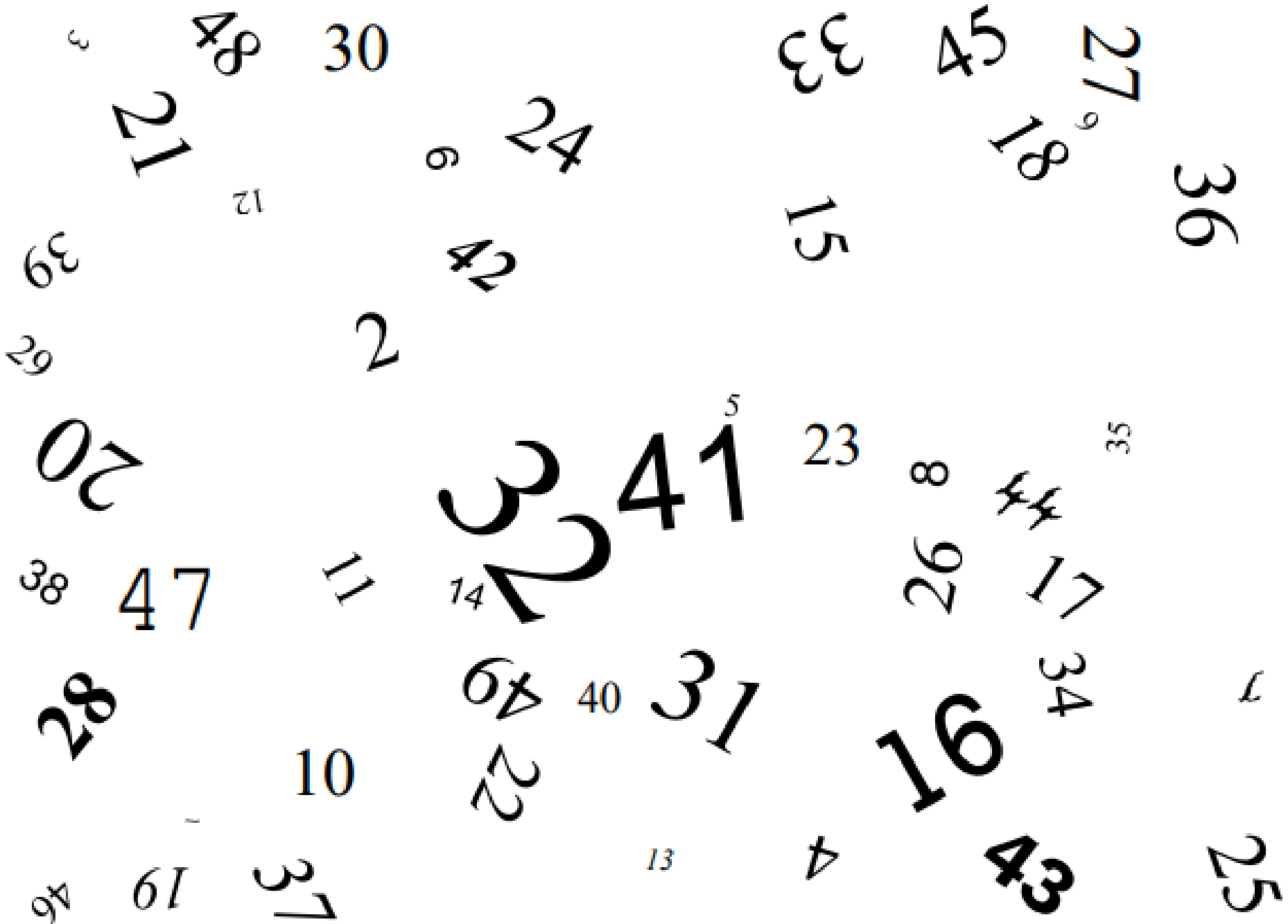
## First S : Sort

- What does 'sort' mean for you?

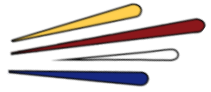
Get rid of the useless

- How can we sort this grid ?

Remove the numbers from 50 to 90







## Second 'S' : Set in order

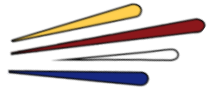
- What does 'Set in order' mean for you?

Place each thing to a precise and accessible place

- How can we implement it in our workshop ?

Let's suppose that we have some racks, which we fill in by inserting each figure into sequence

<p>36</p> <p>27<sup>9</sup> 18</p> <p>45</p> <p>33 15</p>	<p>24</p> <p>42</p> <p>6</p>	<p>30</p> <p>21</p> <p>48<sup>3</sup></p> <p>39</p> <p>12</p>
<p>25</p> <p>34</p> <p>16</p> <p>43</p> <p>8 17</p> <p>26 9</p> <p>44<sup>53</sup></p>	<p>23</p> <p>41<sup>5</sup></p> <p>32</p> <p>14</p>	<p>2</p> <p>20</p> <p>47</p> <p>11</p> <p>38</p>
<p>7</p> <p>25</p> <p>34</p> <p>16</p> <p>43</p> <p>8 17</p> <p>26 9</p> <p>44<sup>53</sup></p>	<p>4</p> <p>31</p> <p>40</p> <p>22</p> <p>6 4</p> <p>13</p>	<p>10</p> <p>37</p> <p>19</p> <p>28</p> <p>46</p>



## Third 'S' : Shine

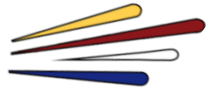
- What does 'shine' mean for you in the workshop ?

Clean each time we dirty

- What could be the solution in our situation ?

In each box, we should sort the numbers in a significative order:  
in ascending order in this case

<p>3 12 21</p> <p>30 39 48</p>	<p>6 15 24</p> <p>33 42 51</p>	<p>9 18 27</p> <p>36 45 54</p>
<p>2 11 20</p> <p>29 38 47</p>	<p>5 14 23</p> <p>32 41 50</p>	<p>8 17 26</p> <p>35 44 53</p>
<p>1 10 19</p> <p>28 37 46</p>	<p>4 13 22</p> <p>31 40 49</p>	<p>7 16 25</p> <p>34 43 52</p>



## Fourth 'S' : Standardise

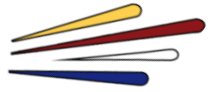
- What does 'standardise' mean for you in the workshop ?

Entrench methods in spirits and behaviours

- What could be the solution in our situation ?

The aim is to rearrange the numbers in a standard order that everyone should be able to recognize because our goal is to simplify the work.

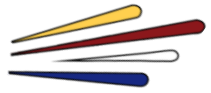
1	<b>2</b>	3	4	5	6	7	8	9	10
11	12	13	14	15	<b>16</b>	17	18	19	<b>20</b>
21	22	23	24	25	26	27	<b>28</b>	29	30
31	<b>32</b>	33	34	35	36	37	38	39	40
<b>41</b>	42	<b>43</b>	44	45	46	47	48	49	



## Fifth 'S' : Standards and quality

Make sure that the method is respected and is up to date

**Congratulations everyone !!!!**



## Another benefit of the 5S method

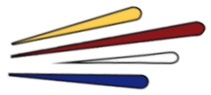
→ The approach we took is very important for the detection of anomalies or errors.

Imagine you are missing 3 parts

In 10 seconds, try to find the 3 missing numbers in the next sequence



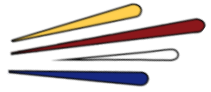
21 27 36 21  
87 51 33 45 27  
53 36 33 45 27  
27 36 33 45 27  
62 68 71 74 25  
62 68 71 74 25  
27 36 33 45 27  
30 24 15 18 18  
47 41 41 41 41  
10 11 26 26 16  
82 56 98 98 88  
22 41 57 57 43  
58 41 41 41 41  
30 24 15 18 18  
47 41 41 41 41  
10 11 26 26 16  
82 56 98 98 88  
22 41 57 57 43  
58 41 41 41 41



Did you find the missing numbers ?

Now let's try with the 5S applied to our workbench

1	<b>2</b>	3	4	5		7	8	9	10
11	12	13	14	15	<b>16</b>	17	18	19	<b>20</b>
21	22		24	25	26	27	<b>28</b>	29	30
31	<b>32</b>	33	34	35	36		38	39	40
<b>41</b>	42	<b>43</b>	44	45	46	47	48	49	



## Conclusion

The true power of the 5S method:

- Easy to set in place
- Easy to understand
- Easy to maintain



**Thank you for  
your attention**

