

## Step Three: Operation Brainstorm

Now that you have identified the constraints and limitations of the problem and conducted your research into existing technologies and strategies, you need to get creative. In this stage, you should generate a wide range of creative ideas that could help solve the problem in different ways.



### Crazy 8s

Draw or write one idea per box


# SCAMPER

Use this template to improve or adapt an existing idea or invention. It stands for:  
Substitute, Combine, Adapt, Modify, Put to another use, Eliminate, Reverse.

<b>Existing Idea/ invention:</b>	
<b>Substitute-</b> What could we swap out?	
<b>Combine-</b> Can we merge it with something else?	
<b>Adapt-</b> How could we change it for this situation?	
<b>Modify-</b> Could we make it stronger, lighter, faster?	
<b>Put to another use-</b> Can we use it in a new way?	
<b>Eliminate-</b> What parts could we remove?	
<b>Reverse-</b> What if it worked the opposite way?	