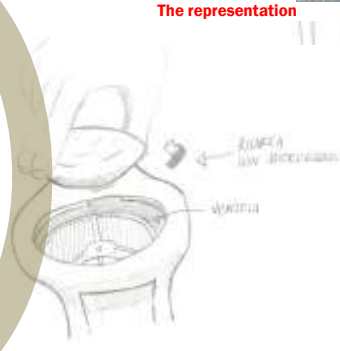
0 INTRO

Product — **The representation**



0 INTRO

Product — **Some considerations**

Research without copy + paste

0 INTRO

Product — **Some considerations**

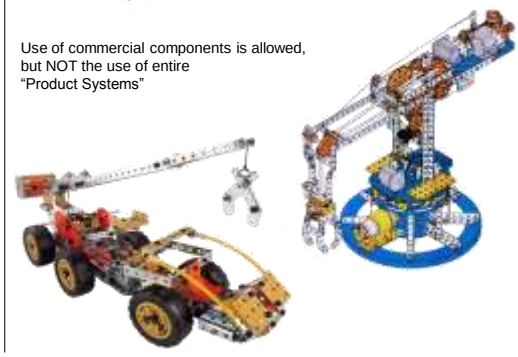
Styling and Designing

0 INTRO

Product — **Some considerations**

Research without copy + paste

Use of commercial components is allowed, but NOT the use of entire "Product Systems"



0 INTRO

Product — **Some considerations**

Document your work, also (and especially) during the process

0 INTRO

Product — **Some considerations**

Workbook A4

"I prefer drawing to talking. Drawing is faster, and leaves less room for lies."
— Le Corbusier

"Drawing teaches habits of close observation that will always be useful."
— Susanna Clarke, *Jonathan Strange & Mr Norrell*

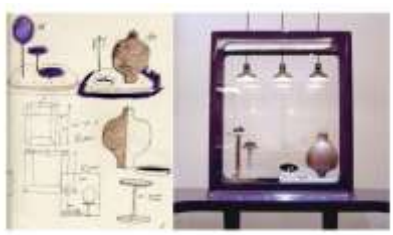
"There are enough ideas, images, symbols, and experiences in your head already to work with for a lifetime. It's a little like having a car with an unpredictable battery, though. Sometimes you get in and it starts right up. Other times, especially if it has been sitting idle for awhile, you turn the key and nothing happens."
— Bert Dodson, *Keys to Drawing*

"Drawing is like reading for the architect."
— Lorenzo dei Medici

Inspiration and texts

Document your process and illustrate alternatives

Indicate sizes and references



Think about production process while sketching

0

INTRO

Product

The representation

Single board

0

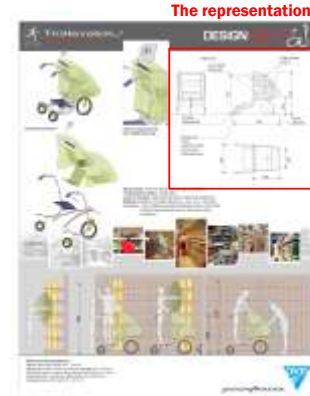
INTRO

Product

The representation

Single board

Technical representation



0

INTRO

Product

The representation

Single board

Technical representation

Render

0

INTRO

Product

The representation

Single board

Technical representation

Render

Important details

0

INTRO

Product

The representation

Single board

Technical representation

Render

Important details

Exploded view

0

INTRO

Product

The representation

Single board

Technical representation

Render

Important details

Exploded view

Use environment

0 INTRO

Product — **The representation**

Single board

- Technical representation
- Render
- Important details
- Exploded view
- Use environment
- How to use

0 INTRO

Product — **The representation**

Sketches

0 INTRO

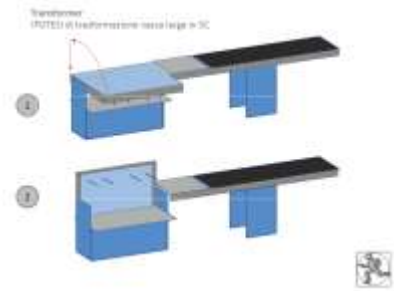
Product — **The representation**

Formal prototype

0 INTRO

Product — **The representation**

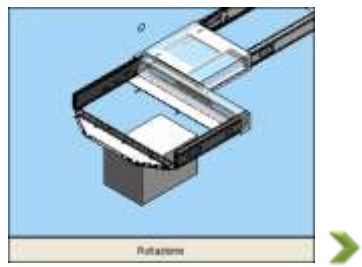
Function sketch



0 INTRO

Product — **The representation**

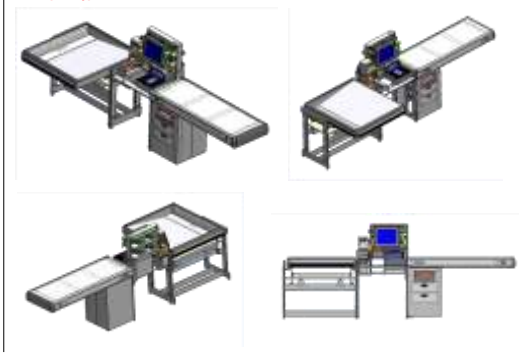
Virtual prototype – function evaluation



0 INTRO

Product — **The representation**

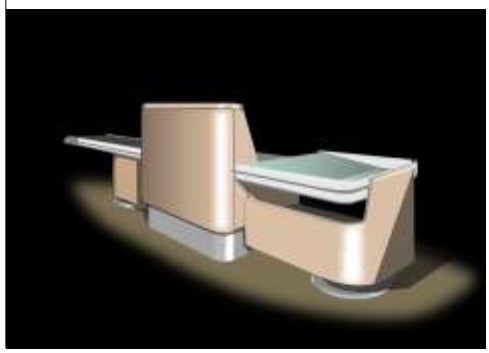
Virtual prototype – function evaluation



0 INTRO

Product The representation

Virtual prototype – aesthetical evaluation



0 INTRO

Product The representation

Virtual prototype – aesthetical evaluation

0 INTRO

Product The representation

Working prototype

0 INTRO

Product The representation

TECHNICAL DRAWING

Measure and draw the front view

0 INTRO

Product The representation

TECHNICAL DRAWING

Measure and draw the front view

0 INTRO

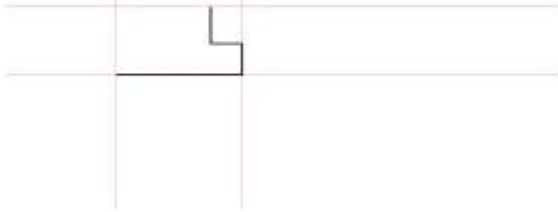
Product The representation

TECHNICAL DRAWING

Measure and draw the front view

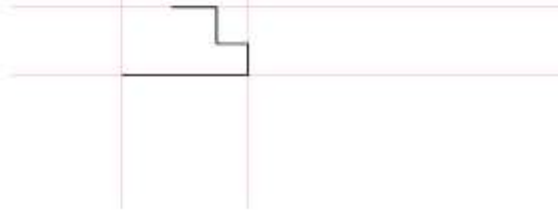
0 INTRO
Product
TECHNICAL DRAWING
The representation

Measure and draw the front view



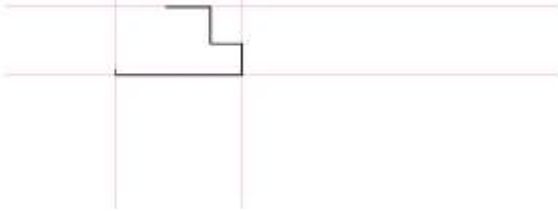
0 INTRO
Product
TECHNICAL DRAWING
The representation

Measure and draw the front view



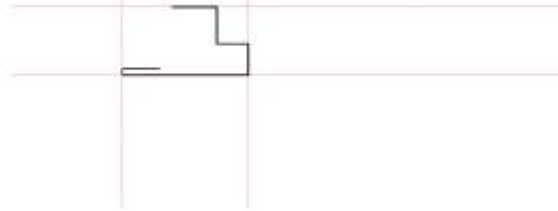
0 INTRO
Product
TECHNICAL DRAWING
The representation

Measure and draw the front view



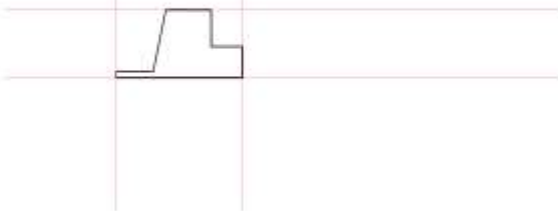
0 INTRO
Product
TECHNICAL DRAWING
The representation

Measure and draw the front view



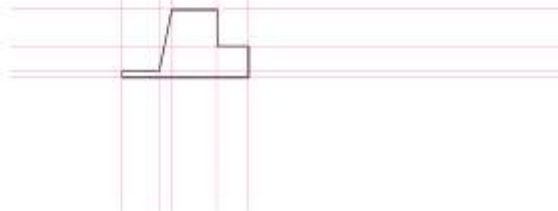
0 INTRO
Product
TECHNICAL DRAWING
The representation

Measure and draw the front view

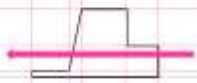


0 INTRO
Product
TECHNICAL DRAWING
The representation

Draw guidelines to guide you



Draw the side view



0 INTRO
Product
TECHNICAL DRAWING
The representation

Draw the side view

0 INTRO
Product
TECHNICAL DRAWING
The representation

Draw the side view

Hidden line

0 INTRO
Product
TECHNICAL DRAWING
The representation

Draw the side view

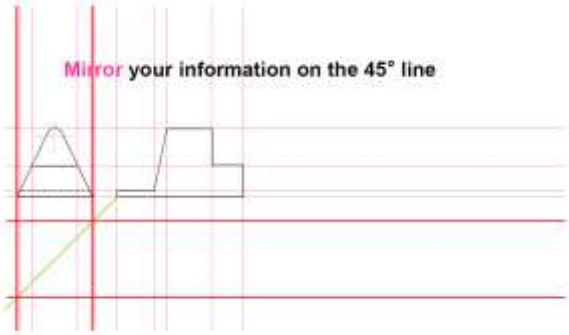
0 INTRO
Product
TECHNICAL DRAWING
The representation

Draw 45°

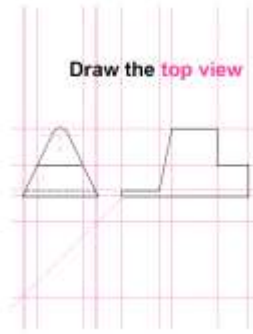
0 INTRO
Product
TECHNICAL DRAWING
The representation

Mirror your information on the 45° line

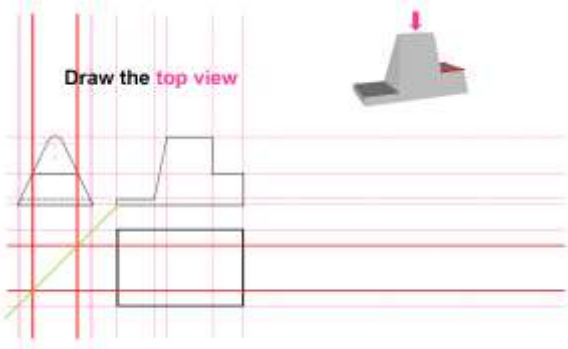
Mirror your information on the 45° line



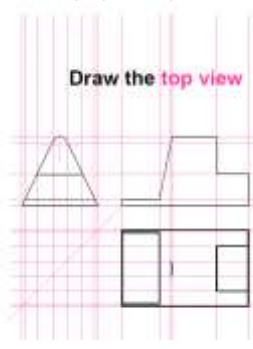
Draw the top view



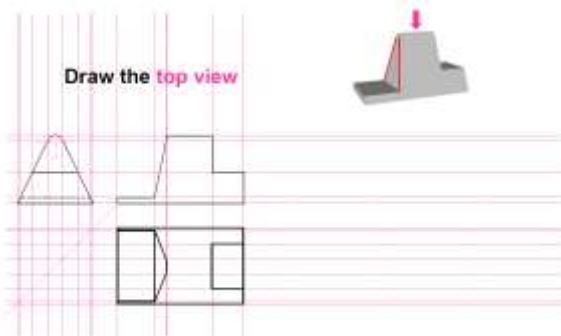
Draw the top view



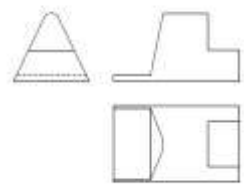
Draw the top view



Draw the top view

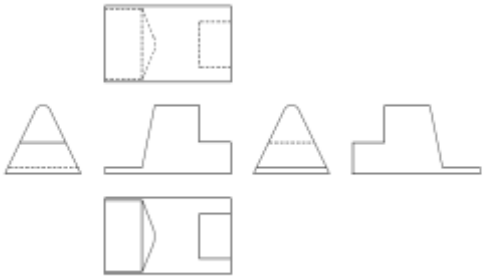


For a simple object...

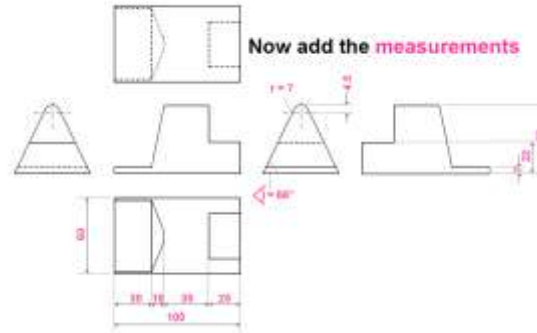


...this would be it.
If your object shows more details, you will have to add the other views.

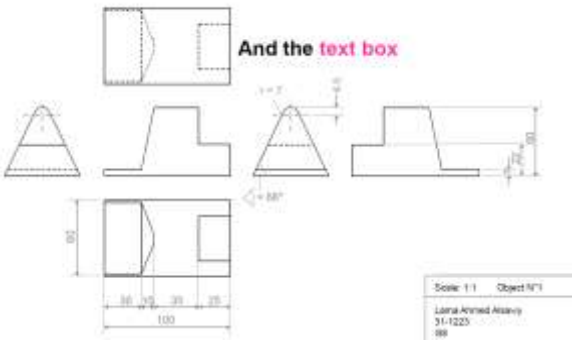
0 INTRO
Product The representation
TECHNICAL DRAWING



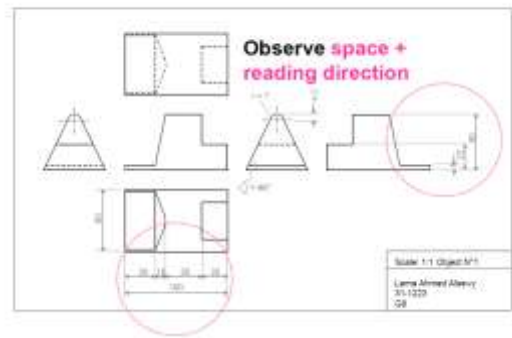
0 INTRO
Product The representation
TECHNICAL DRAWING



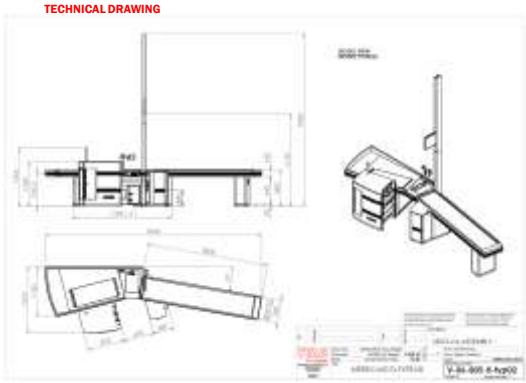
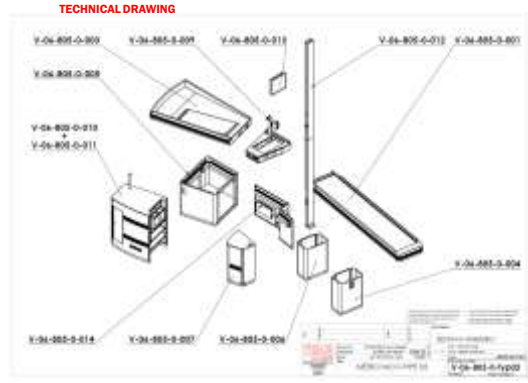
0 INTRO
Product The representation
TECHNICAL DRAWING



0 INTRO
Product The representation
TECHNICAL DRAWING



0 INTRO
Product The representation
TECHNICAL DRAWING



0 INTRO
Product The representation
TECHNICAL DRAWING