





Module 3 – Problem Solving

Topic 1: Critical Thinking

SESSION 4



“ Introduction

Critical Thinking is an essential tool to **act effectively** and accurately in most situations.

In this session, we will **put into practice** the main learning points that we have explored in the previous sessions, to **acquire the right reflexes and tactics** in various situations.





Outline

From theory to practice

A- Fast brain/slow brain (critical thinking)

B- Critical thinking method (the 5 steps) into practice

An aerial photograph of a sailboat on a dark blue, textured sea, positioned on the left side of the slide.

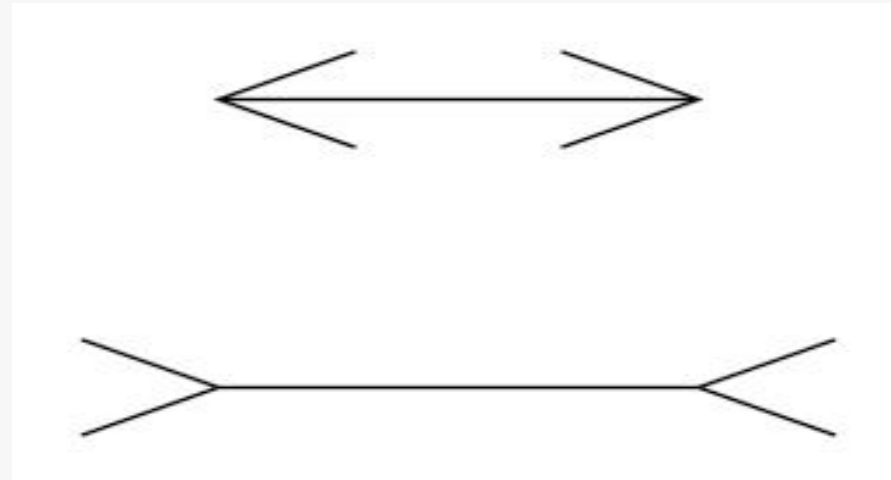
A- Slow brain fast brain



A- Slow brain/fast brain

► brain teaser

Which line is longer?

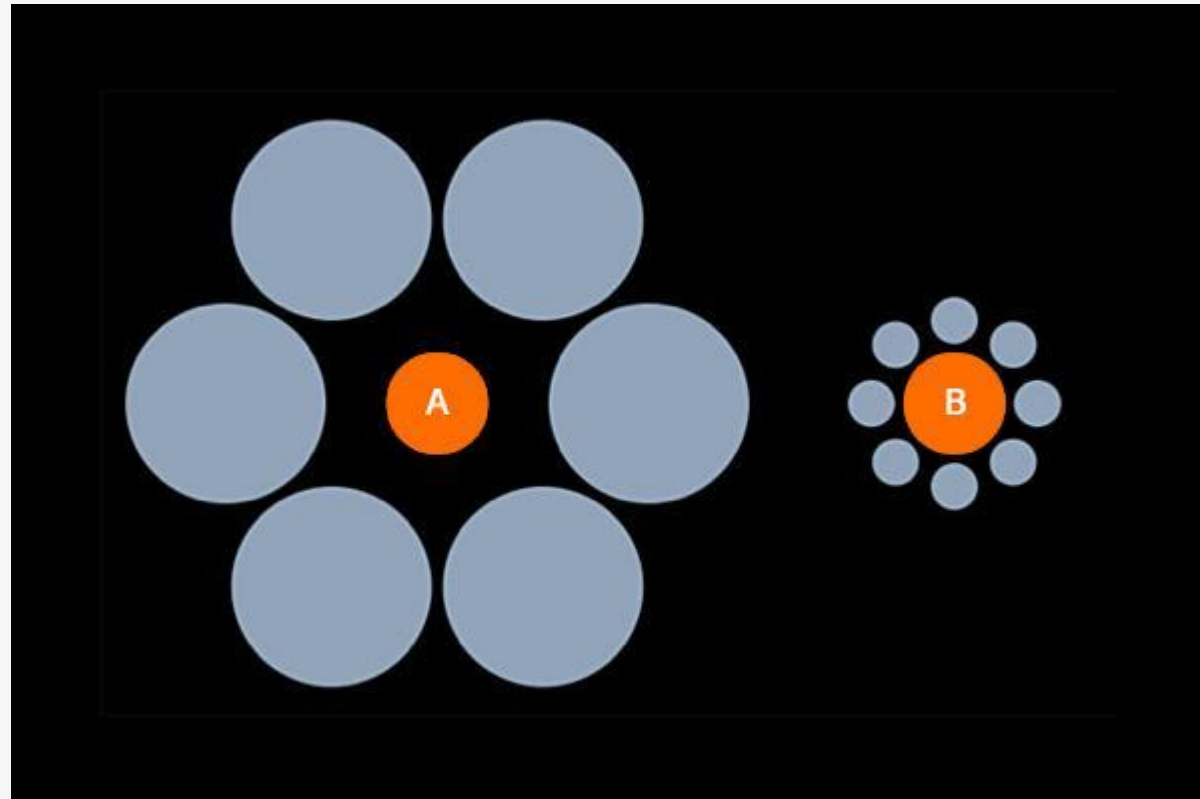




A- Slow brain/fast brain

► brain teaser

Which circle (A or B) is bigger?





A- Slow brain/fast brain

► brain teaser

Note:

People are more able to detect the bias in picture 2 if shown right after picture 1.

This is because they switched their mind from Fast to Slow...





A- Slow brain/fast brain

► brain teaser

A man is driving his car but his car lights are off. He enters a city that has no street lights. There is no moon in the sky and all the lights in the shops and homes are off. Suddenly, he applies the brakes to allow a cat to cross the street. How was the driver able to see the cat?





A- Slow brain/fast brain

► brain teaser

A notebook and a pen cost 1.10USD.
The notebook cost one dollar more than the pen.
How much does the pen cost?



A- Slow brain/fast brain

► brain teaser

A notebook and a pen cost 1.10USD.
The notebook cost one dollar more than the pen.
How much does the pen cost?

No, it is not 10 cents. It is 5 cents. Slow it down and do the math.



A- Slow brain/fast brain

► now what

A dinosaur is chasing you. What do you do?

- Use the 5 steps of critical thinking
- Run away and hide
- Calculate the exact distance that separates you and come up with a plan
- Google a solution.





A- Slow brain/fast brain

► now what

500usd are missing from your cash machine. What do you do?

- Fire the cashier.
- Make every employee pay a part. After all, it is their responsibility
- Follow the 5 steps of critical thinking

An aerial photograph of a small, white boat with a blue cabin, floating on a vast expanse of dark blue, textured water. The boat is positioned on the left side of the frame, leaving a small wake behind it.

B- Critical thinking into practice



B- Critical thinking into practice

▶ 500usd are missing from your cash machine and you have decided to follow the 5 steps

Share what you would do as a first step



B- Critical thinking into practice

▶ Remember

Slow down your fast brain by counting until 10, diverting your mind for some time and avoid taking decisions.





B- Critical thinking into practice

▶ 500usd are missing from your cash machine and you have decided to follow the 5 steps

Share what you would do as a second step using the 3w:

- What is *really* going on here?
- Who told me what is going on and what might be their *bias*?
- Why is this happening?



B- Critical thinking into practice

► Remember

Observe as precisely as possible and don't let your emotions interfere.





B- Critical thinking into practice

▶ 500usd are missing from your cash machine and you have decided to follow the 5 steps

Share what you would do as third step

- Check your sources
- Look for cognitive biases and logical fallacies
- Ask Why and Why not
- Find missing links



B- Critical thinking into practice

▶ 500usd are missing from your cash machine and you have decided to follow the 5 steps

Share what you would be your step 4:

- Connecting the dots using systems thinking.



B- Critical thinking into practice

► 500usd are missing from your cash machine and you have decided to follow the 5 steps

Share what you would be your step 5:

- Exploring and testing different solutions and their potential
- Testing the potential of different solutions
- Implementing the most comprehensive solution.



Thank you



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