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*SHERLOCK
HOLMES'
SCHOOL
OF LOGIC*



**Aims of the session:
To show you how
Sherlock would
work, study and
interact with the
surroundings –
especially English**



**Just
remember,
Watson...**

Spanish words

Try to write as many Spanish words as you can, and one for each letter of the Spanish alphabet below.

Realice el siguiente ejercicio siguiendo detalladamente las instrucciones: escriba una palabra en español comenzando por cada letra del alfabeto:



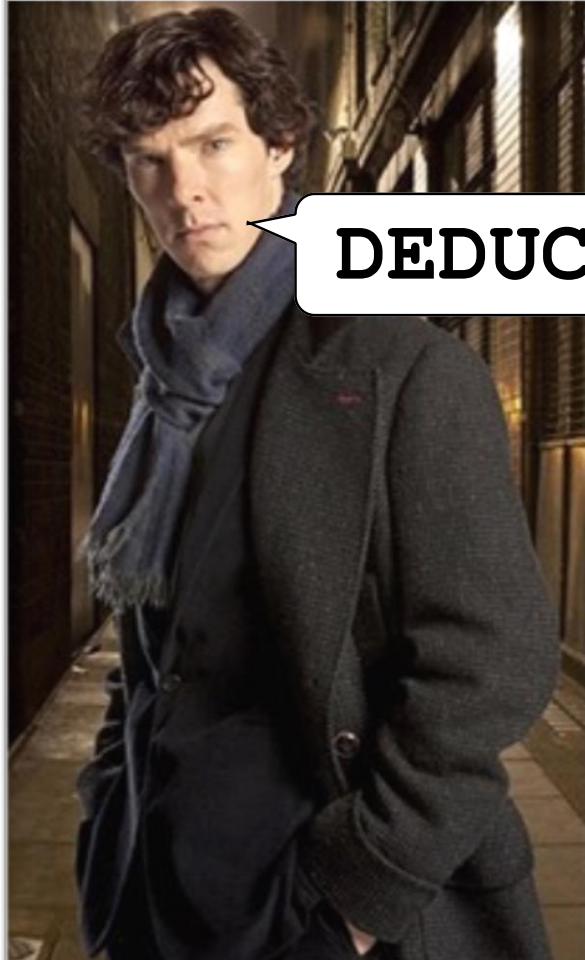
A	H	Ñ	U
B	I	O	V
C	J	P	W
D	K	Q	X
E	L	R	Y
F	M	S	Z
G	N	T	



To be a master-sleuth you will need:



OBSERVATION



DEDUCTION



KNOWLEDGE



IMAGINATION

Critical thinking is:

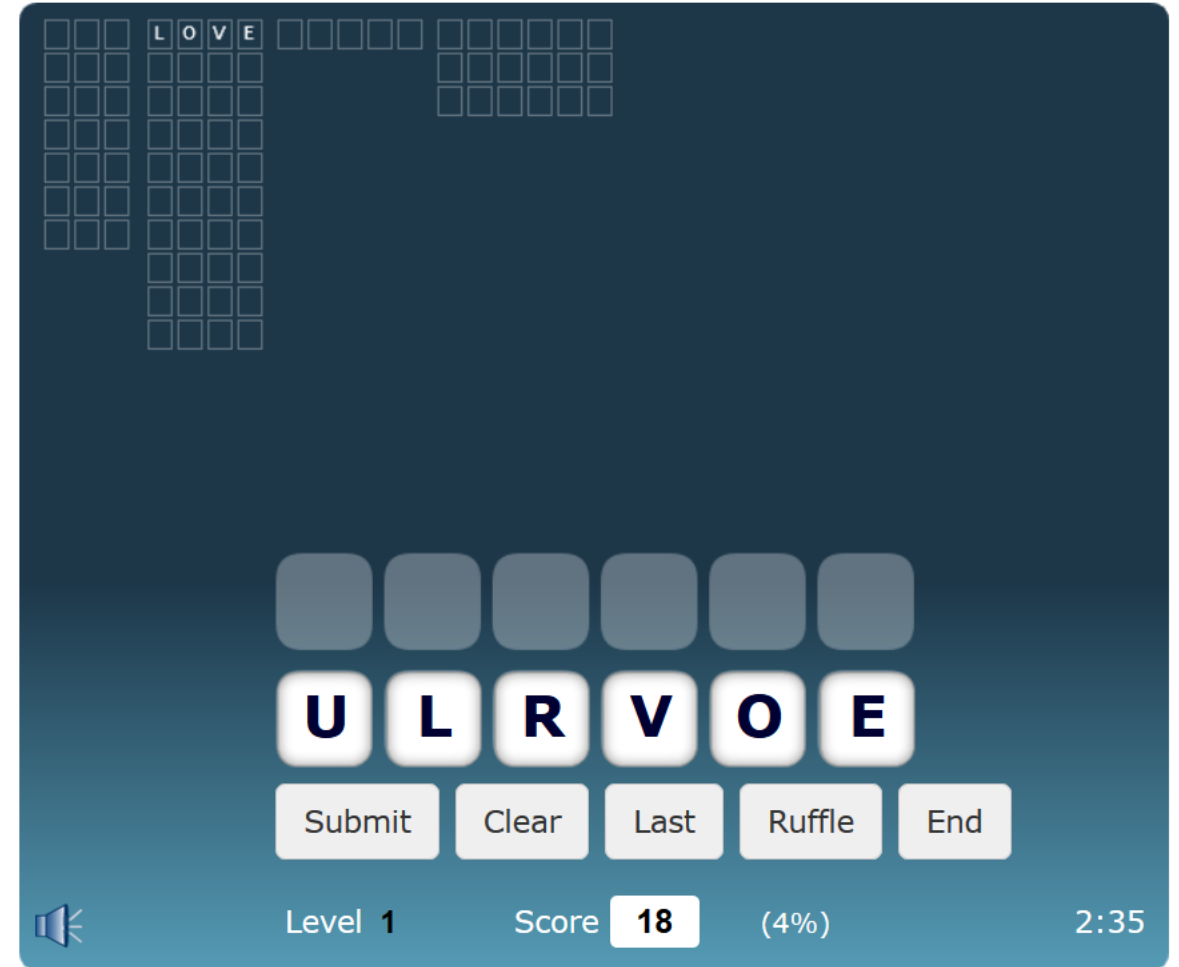
- a judgement of whether something is good, bad, valid, or true
- rational, or, reason-based
- sceptical thinking
- productive thinking – not only challenging ideas but producing them – coming to conclusions about issues
- carefully reading beyond a text's literal meaning
- awareness of the entire process
- ethical or activist – in other words, not neutral

Making Logical Conclusions

- “If it is snowing, it is cold outside.”
- In conditional sentences, if the premise is true, then the conclusion is true also.
- If I drop my phone, it will be ruined; If I do not eat, I will be hungry, etc.

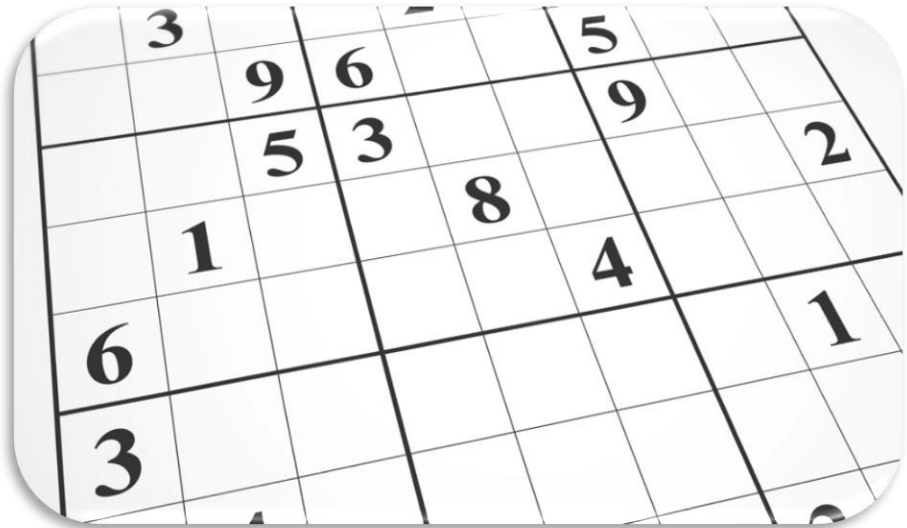


Word Ruffle



HANDOUT EXPLAINS

Sudoku: an elimination game



Mathematics is one of the best exercises for improving your logical skills.

"When you have eliminated the impossible, whatever remains, however improbable, must be the truth."



Word Sudoku

Playing Sudoku and other games with numbers or even words in challenging ways can improve the brain's ability to solve real problems faster.

A screenshot of a Word Sudoku game interface. The main grid is a 10x10 grid with a blue border. The letter 'E' is placed in the top-left cell (row 1, column 1) and the bottom-right cell (row 10, column 10). To the right of the grid is a list of words categorized into 'Across' and 'Down'. Below the grid are icons for undo, check, and a lightbulb, along with a timer showing 0:09 and a game ID #W092007905.

Across	Down
BELCH	AMIR
DOWN	BOP
FEUD	DARN
HEP	EMBRACING
HERBALIST	FROZE
IMPOSTURE	HAM
MAD	HISTOGRAM
RADIO	IDOL
	LED
	MINUET
	OPUS
	SNUGLY
	SUB
	TEN

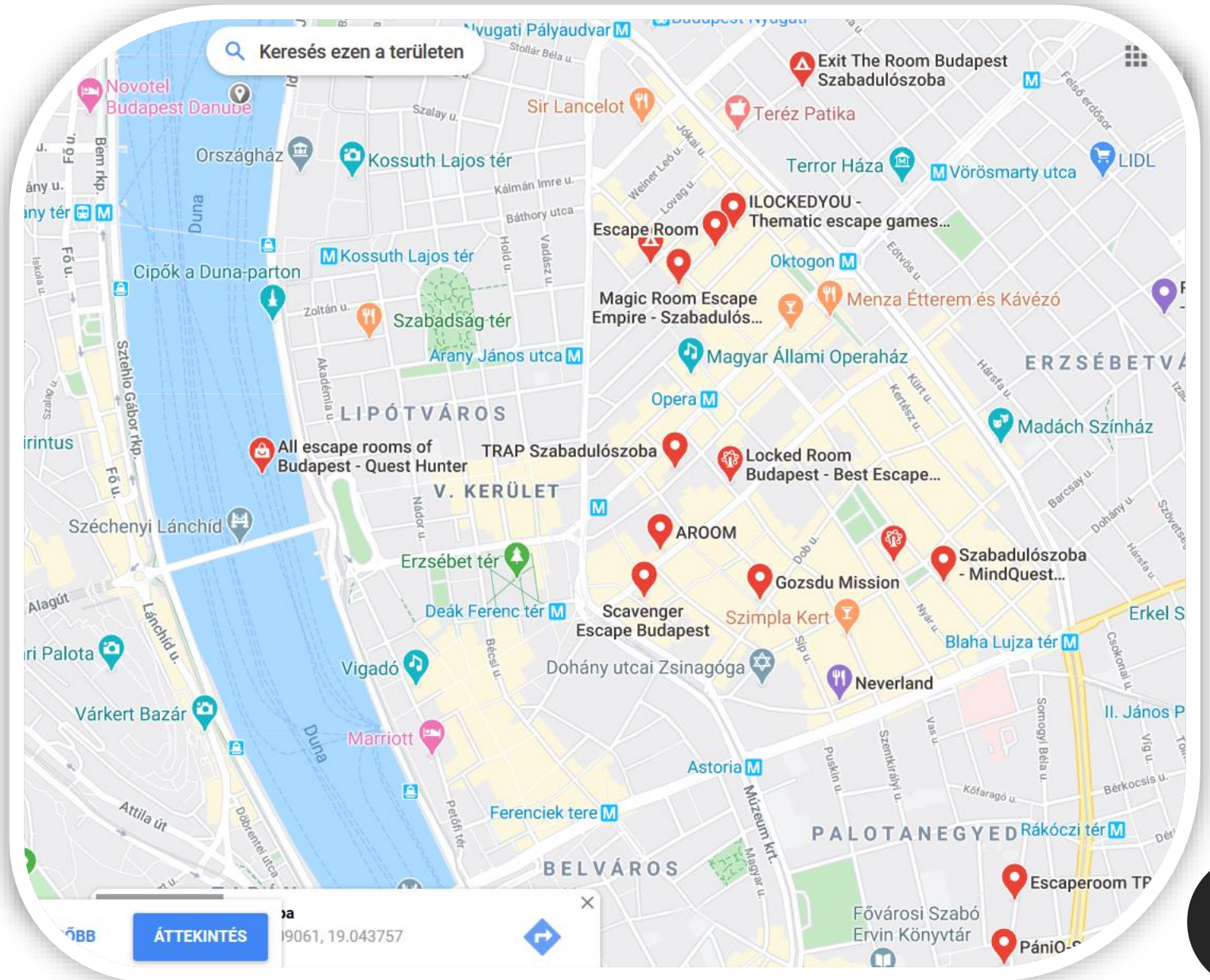
Solve Mysteries and Break Codes

Crime stories and detective
novels requires logical thinking

Eliminate the impossible and
the improbable, and the
solution will come to you.



Escape Rooms



Conducting a Debate or Question time

encourage – causes,
consequences,

transform into solid arguments

require logical thinking and
spontaneous decision making

sharpen your mind



*Normal
discussional
tactics*



I'm sorry to interrupt...

Just a minute...

By the way...

That reminds me... Er...

Could I just say something...

I see what you mean...

I'm sorry but...

*House of
Commons
debate*

The right honourable gentleman/lady
Madam Speaker

Mr. Speaker

RULES:

I believe it is much better to...

Order, order!

The prime minister

Could the honourable lady/gentleman please...



L Complete the text below with the full infinitive, the bare infinitive or the *-ing* form of the verbs in brackets.

COLD READING

1 _____ (read) people's minds is impossible. However, mind-readers use a technique called 'cold reading', which makes it 2 _____ (look) like they can 3 _____ (understand) what you are thinking. Without 4 _____ (know) anything about a person, a practised cold reader is capable of 5 _____

_____ (analyse)

_____ first try

Clothes, age, ethnic group, body language, level of education and even accent etc..

guesses. A cold reader may 10 _____ comments like, 'Your father died due to problems in his chest or abdomen'. This seems 11 _____ (work) well on older subjects, whose father is likely to have died, and the description covers the majority of causes of death. Cold readers often work with audiences where they use mathematics and probability 12 _____ (get) results. People are usually shocked 13 _____ (hear) someone telling them what is going on in their mind; but it's all just a simple trick.



Captain America...how to solve logically



Spanish words

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A	H hola	Ñ <i>niño</i>	U una
B bravo	I <input type="text"/>	O	V viva
C	J	P <input type="text"/>	W
D	K	Q Qué?	X
E	L <input type="text"/>	R <input type="text"/>	Y y
F fiesta	M <i>mañana</i>	S <input type="text"/>	Z zorro
G gol	N	T tango	



How to learn 2000 words in Spanish

I know nothing



- ✓ Ciudad
- ✓ Popularidad
- Audacidad
- ✓ Electricidad
- ✓ Tenacidad
- ✓ Autenticidad
- ✓ Curiosidad
- Discapacidad
- Estupidez

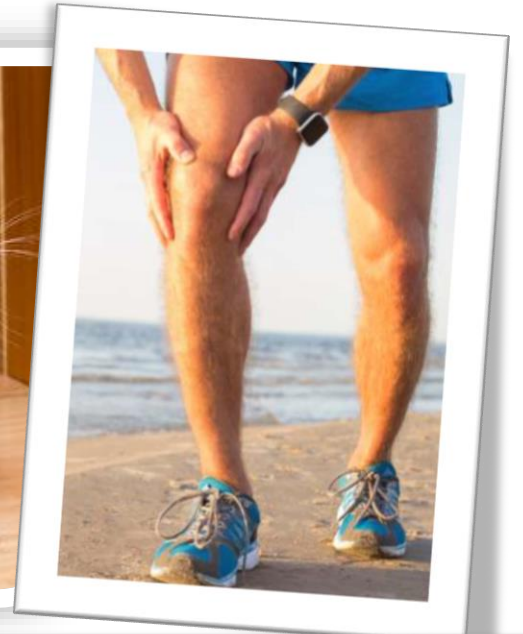
- ✓ City
- ✓ Popularity
- Audacity
- ✓ Electricity
- ✓ Tenacity
- ✓ Authenticity
- ✓ Curiosity
- Disability
- Stupidity



Learning a language is not as difficult as you might think



- 〇 0 zero
- 一 1 ichi
- 二 2 ni
- 三 3 san
- 四 4 shi
- 五 5 go
- 六 6 rok
- 七 7 nana
- 八 8 achi
- 九 9 kyuu
- 十 10 juu



Learning a language is not as difficult as you might think

MNEMONICS

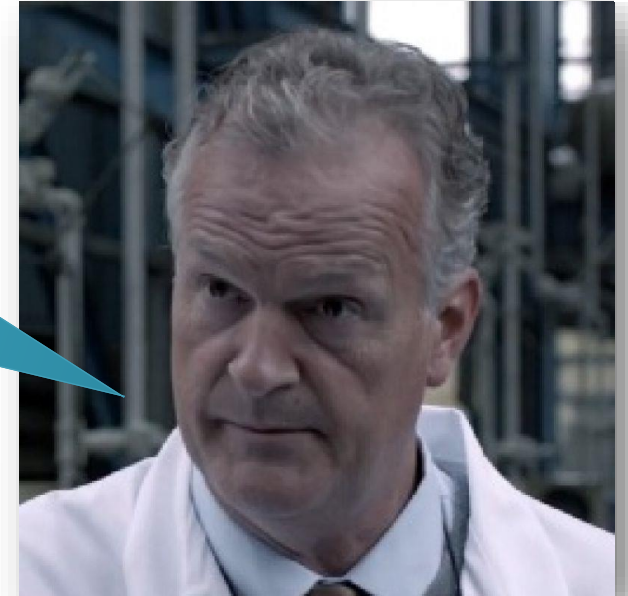


- 0 zero
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- 八 8 achi
- 九 9 kyuu
- 十 10 juu



Well, I knew his dad better. He had all sorts of mad theories about this place. Listen, I can't really talk now. Here's my cell number. If I can help with Henry, give me a call.

Dr. Frankland, British scientist

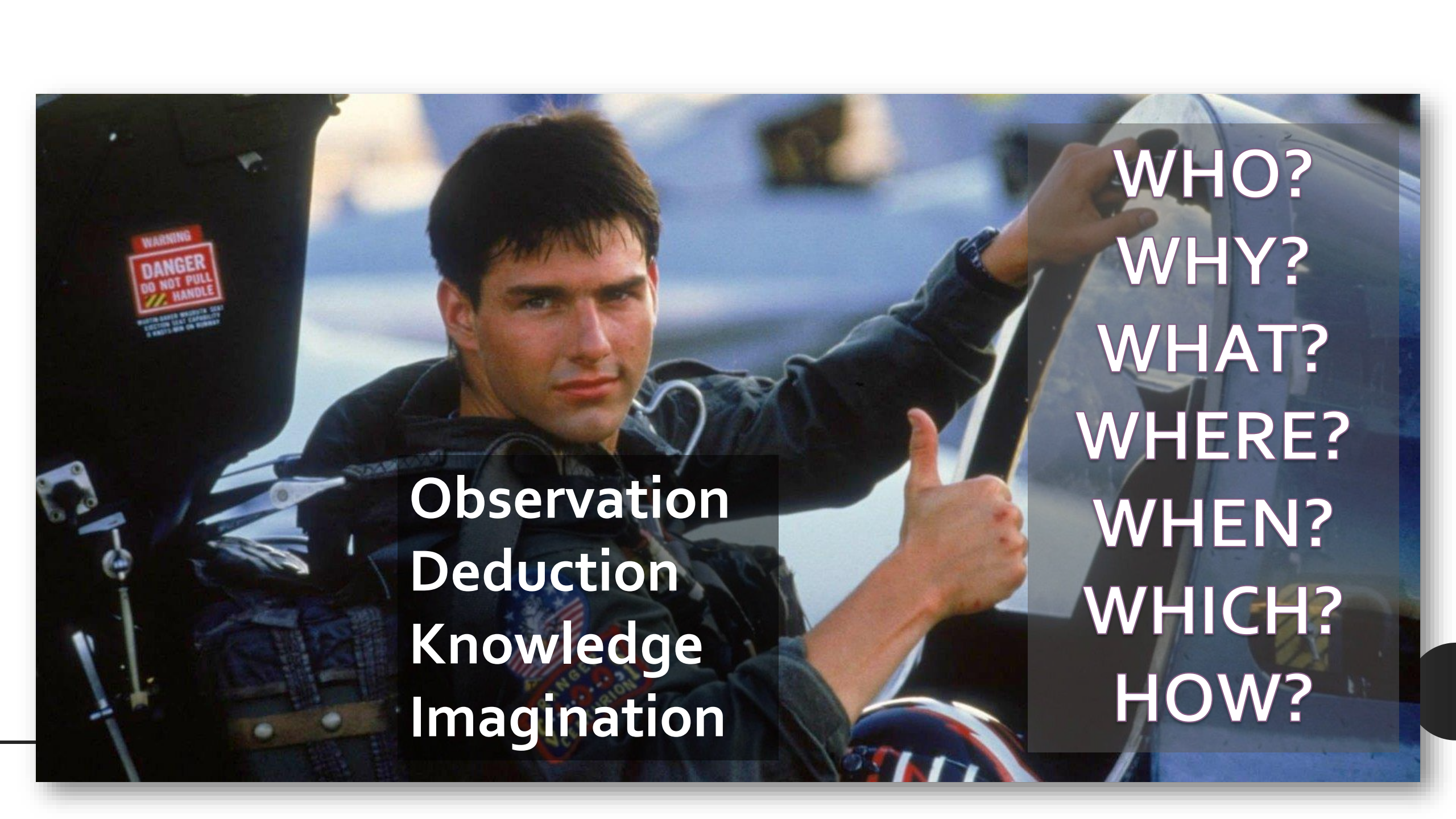


- Observation
- Knowledge
- Deduction
- Imagination



He said, cell phone...mm...



A photograph of Tom Cruise in a cockpit, wearing a flight suit and harness. He is looking forward with a serious expression. The cockpit is filled with various instruments and controls. A warning sign is visible on the left side of the cockpit.

Observation
Deduction
Knowledge
Imagination

WHO?
WHY?
WHAT?
WHERE?
WHEN?
WHICH?
HOW?

Observation
Deduction
Knowledge
Imagination

Car door
Behind the front seat
Cables
Looking at time
Why two jackets?



*Art speaks
where words
are unable to
explain*

"Treat a work of art like a
prince. Let it speak to you
first."

Arthur Schopenhauer



Johannes Vermeer, *Girl With a Pearl Earring*, 1665

If you question the picture, you get the story!

pointing finger

authority

black vs. white

attention

German helmet

hairstyle



Making Logical Conclusions



After dinner and a bottle of wine, they lay down for the night, and go to sleep. Some hours later, Watson awoke and nudged his faithful friend. "Holmes, look up at the sky and tell me what you see."

Holmes replied, "I see millions of stars, what does that tell you?"

Watson replied,

"Astronomically, it tells me that there are millions of galaxies and potentially billions of planets."

"Astrologically, I observe that Saturn is in Leo."

"Horologically, I deduce that the time is approximately a quarter past three."

"Theologically, I can see that God is all powerful and that we are small and insignificant."

"Meteorologically, I suspect that we will have a beautiful day tomorrow."

Holmes said, "So, what does it tell you, Watson?"

Watson was silent for a minute, then spoke: "Holmes, you idiot. Someone has stolen our tent!"



**Watson,
you should...
notice details,
look for patterns,
similarities,
think critically,
increase knowledge,
Imagination!**



Elementary!

Thank you
for coming
and making
it so
logical.

Seán Thompson
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**you should
notice details,
look for patterns,
similarities,
think critically,
increase knowledge,
use your
imagination
and above all the
brain God gave you!**



**Just
remember,
Watson...**

A Vulcan's logic



CBS Photo Archive via Getty Images

- "... You may find that having is not so pleasing a thing after all as wanting. This is not logical, but it is often true."
- "Computers make excellent and efficient servants, but I have no wish to serve under them."
- "Captain, a starship also runs on loyalty to one man, and nothing can replace it, or him."
- "Without followers, evil cannot spread."
- "Were I to invoke logic, logic clearly dictates that the needs of the many outweigh the needs of the few."
- "Logic is the beginning of wisdom ... not the end."
- "... When you eliminate the impossible, whatever remains, however improbable, must be the truth."

Español:
OK, tres días.
English:
OK, three days.



Students protest **against** globalisation.

contrary - counter

Students protest to counter globalisation.

I studenti protestano contro la globalizzazione.

Studenti protestuju za kontru globalizaciji. *

Los estudiantes protestan contra la globalización.

Студенты протестуют против
глобализации.



WARNING
DANGER
DO NOT PULL
HANDLE
WATER SEATER MOUNTED SEAT
EJECTION SEAT CAPABILITY
1. 2000-00-00-00

U.S. AIR FORCE
RANGER 6
CENTURION 1

WHO?
WHY?
THAT?
THERE?
THEN?
WHICH?
HOW?