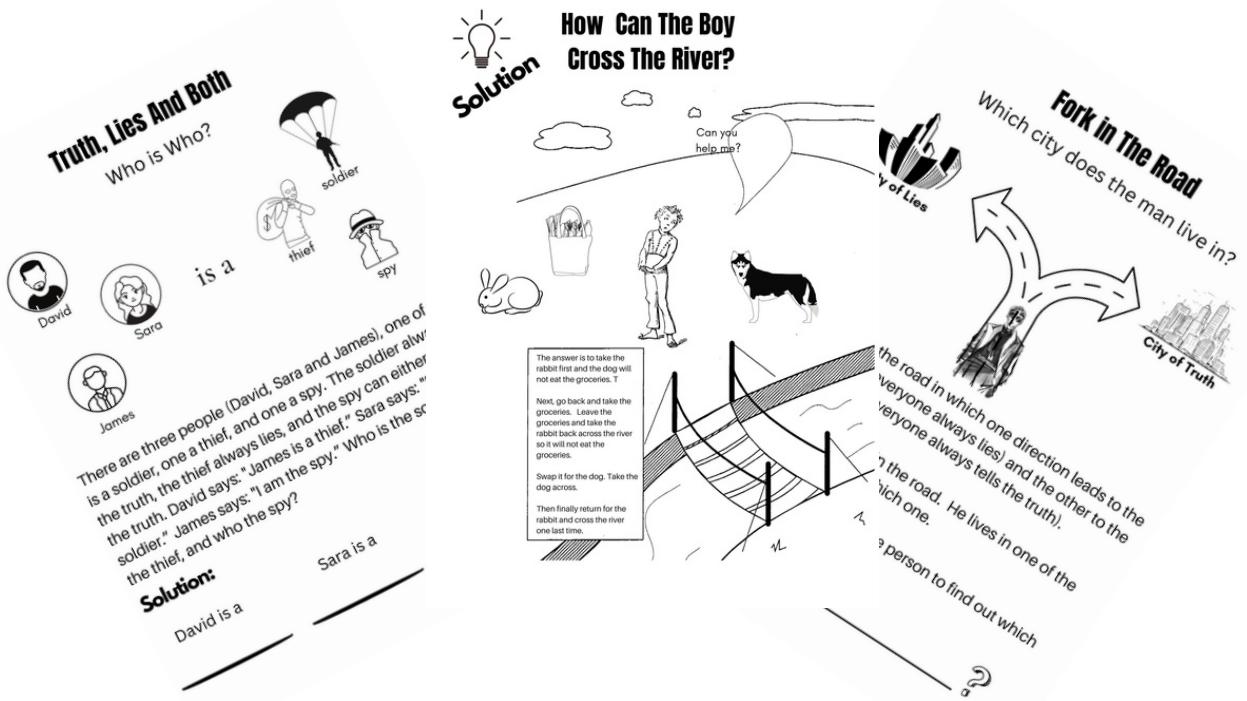


# LOGIC PUZZLES

## Visual Problem Solving



**Logic puzzles for students to solve co-operatively.**  
**Full solutions provided.**

**Garden Problem. Crossing The River. Fork In The Road**  
**Who is Driving The Bus (Listening)? Who is Who?**  
**Albatross Soup (Video), Riddles.**



Riddles - Download



**ELTBuzz**

# THE GARDEN PROBLEM

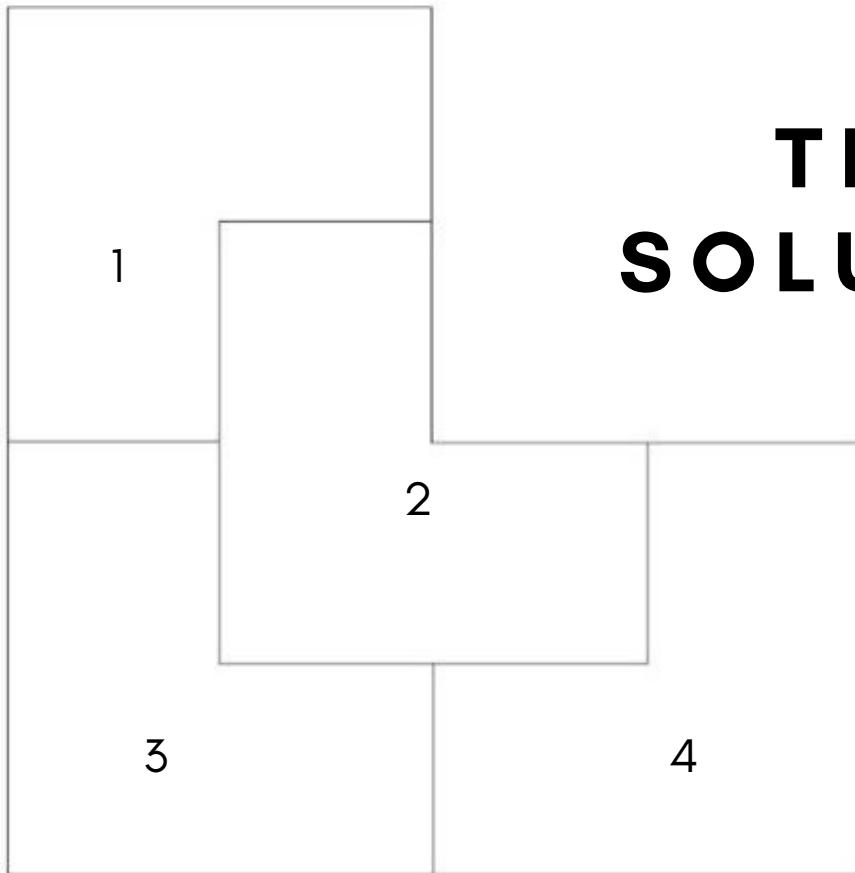


Four friends bought a garden plot in this shape.

They want to divide it into 4 identical sized plots. One for each of them.

Can you help them do this?

-----



# THE SOLUTION

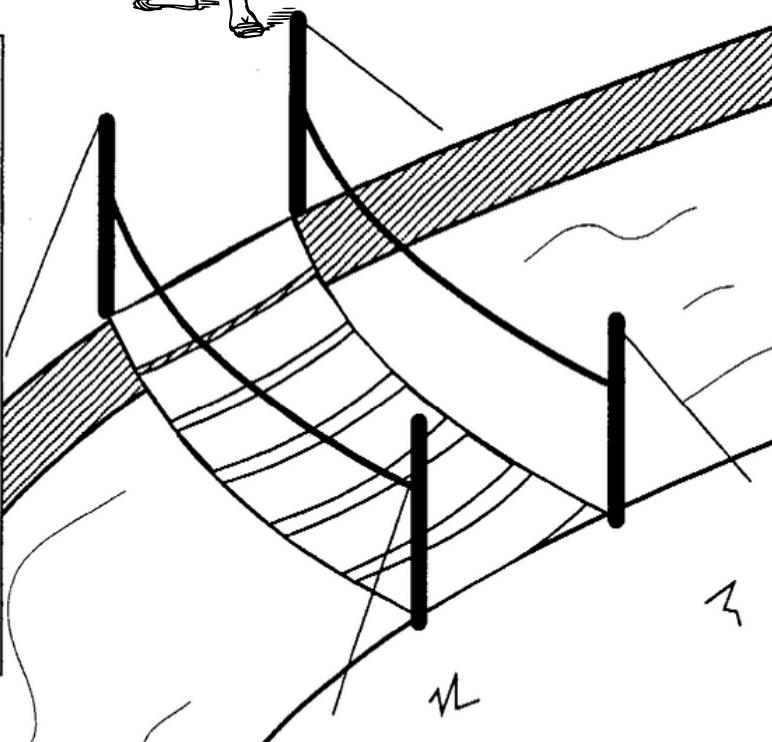
# How Can The Boy Cross The River?



A boy is going to visit his grandmother. He has a rabbit, a dog and a bag of groceries. He must cross a river and the bridge is very weak. He can only cross with one thing at a time.

But if he leaves the dog alone with the rabbit. The dog will eat it. If the rabbit is alone with the groceries, he'll eat them.

How can the boy get them all across the river using the bridge?

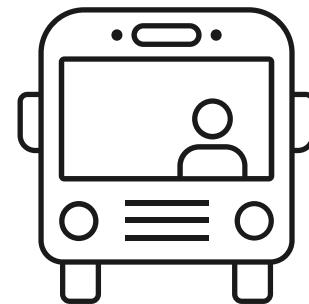


# **Who's Driving**



## **The Bus?**

Tell your students the following story, more or less as is. They must answer the question at the end to get a prize (let's say, class is finished early :)



“ Listen carefully class. I’m going to tell you a story. You must listen carefully and answer one question at the end. You can take notes if that will help you. If you answer correctly, you will get a prize. Ready?”

“Okay, you are driving a bus. The bus is empty. The bus driver stops at a bus stop and onto the bus gets a big man. He says, “Hi Bus Driver, My name is Bill. Nice to meet you.” “Nice to meet you too”, replies the bus driver. The big man goes to the back of the bus and sits down. The bus driver continues driving.

The bus driver stops at the next stop. Two young boys jump onto the bus. The one young boy says, “Hi there! This is my brother Bobby and I’m Danny.” The two boys sit in the middle of the bus on the left. The bus driver continues driving.

At the next stop, a pregnant woman slowly climbs onto the bus. She stops and the bus driver asks her, “Hi, can I ask what you are going to name the baby?” The pregnant woman says, “Her name’s going to be Britney, ‘cause I love Britney Spears!” The pregnant lady sits right behind the bus driver.

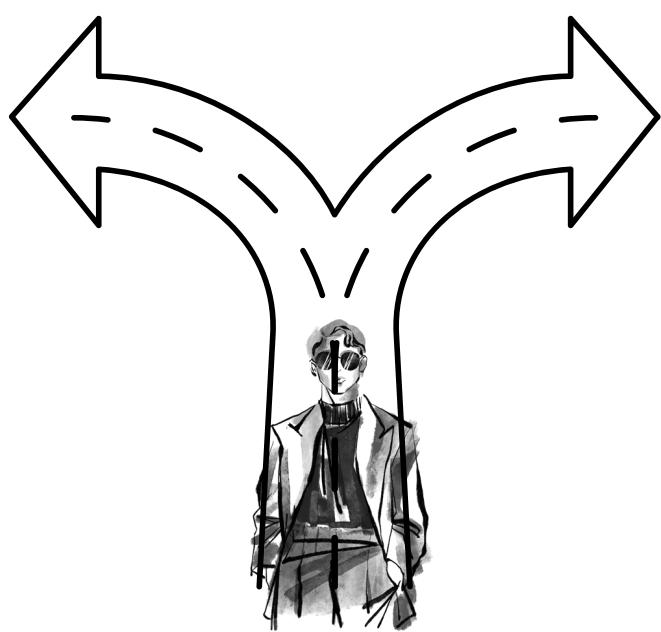
The bus driver stops at the final bus stop. Slowly, a very old woman gets on the bus. She says to the bus driver, “Hi there sonny, thanks for coming!”. The old lady sits right behind the pregnant woman. The bus driver continues driving. The end.”

“Now please answer my question. **What was the name of the bus driver? Raise your hand if you know.”**

**Answer:** YOU. YOUR NAME. I said, “**YOU** are driving the bus”! (at the beginning)

# Fork in The Road

Which city does the man live in?



You're at a fork in the road in which one direction leads to the City of Lies (where everyone always lies) and the other to the City of Truth (where everyone always tells the truth).

There's a man at the fork in the road. He lives in one of the cities, but you're not sure which one.

What question could you ask the person to find out which road leads to the City of Truth?



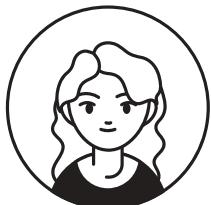
# Solution

# Truth, Lies And Both

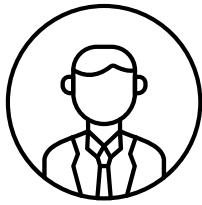
## Who is Who?



David



Sara



James

is a



thief



soldier



spy

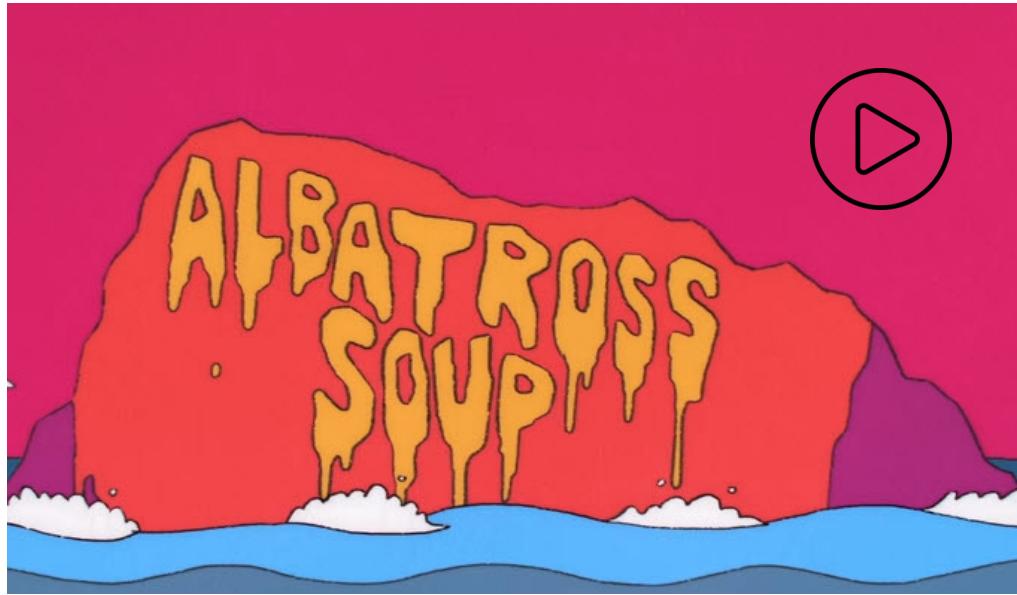
There are three people (David, Sara and James), one of whom is a soldier, one a thief, and one a spy. The soldier always tells the truth, the thief always lies, and the spy can either lie or tell the truth. David says: "James is a thief." Sara says: "David is a soldier." James says: "I am the spy." Who is the soldier, who the thief, and who the spy?

## Solution:

David is a

Sara is a

James is a



## CAN YOU SOLVE THE RIDDLE?

A man gets off a boat. He walks into a restaurant and orders albatross soup. He takes one sip... pulls out a gun, and shoots himself to death. So...why did he kill himself?

### NOTES. QUESTIONS?

### THE SOLUTION:

## Read the riddle and match it with the correct answer.

1. What goes up and down stairs without moving?	A mushroom
2. Give it food and it will live; give it water and it will die.	A sponge
3. What can you catch but not throw?	A ring
4. I run, yet I have no legs. What am I?	Breath
5. Take one out and scratch my head, I am now black but once was red.	Silence
6. Remove the outside, cook the inside, eat the outside, throw away the inside.	Corn
7. What goes around the world and stays in a corner?	Glove
8. What gets wetter the more it dries?	Towel
9. The more there is, the less you see.	River
10. They come at night without being called and are lost in the day without being stolen.	Stars
11. What kind of room has no windows or doors?	A carpet
12. I have holes on the top and bottom. I have holes on my left and on my right. And I have holes in the middle, yet I still hold water. What am I?	A stamp
13. I look at you, you look at me, I raise my right, you raise your left. What is this object?	A cold
14. It has no top or bottom but it can hold flesh, bones, and blood all at the same time. What is this object?	Light
15. The more you take the more you leave behind.	Footsteps
16. Light as a feather, there is nothing in it; the strongest man can't hold it for much more than a minute.	A match
17. As I walked along the path I saw something with four fingers and one thumb, but it was not flesh, fish, bone, or fowl.	A hole
18. What can run but never walks, has a mouth but never talks, has a head but never weeps, has a bed but never sleeps?	Fire
19. What can fill a room but takes up no space?	A mirror
20. It is weightless, you can see it, and if you put it in cheese it will make the chesse lighter?	A nose
21. No sooner spoken than broken. What is it?	Darkness



**Solution**

# How Can The Boy Cross The River?

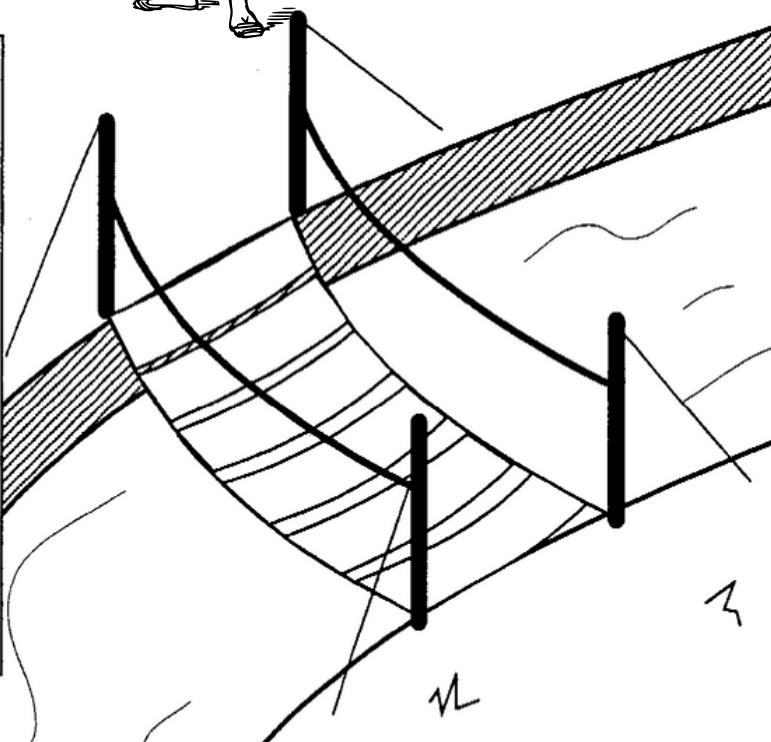


The answer is to take the rabbit first and the dog will not eat the groceries. T

Next, go back and take the groceries. Leave the groceries and take the rabbit back across the river so it will not eat the groceries.

Swap it for the dog. Take the dog across.

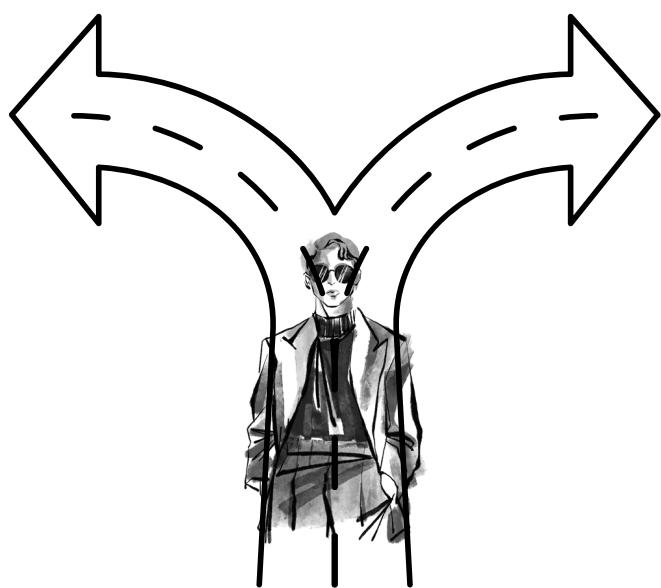
Then finally return for the rabbit and cross the river one last time.



**Solution**

# Fork in The Road

Which city does the man live in?



You're at a fork in the road in which one direction leads to the City of Lies (where everyone always lies) and the other to the City of Truth (where everyone always tells the truth).

There's a man at the fork in the road. He lives in one of the cities, but you're not sure which one.

What question could you ask the person to find out which road leads to the City of Truth?

In Which direction do you live? 

# Solution

# Truth, Lies And Both

## Who is Who?



David



Sara



James

is a



thief



soldier



spy

We know Sara isn't telling the truth because if she was, there would be two soldiers; so Sara could be either the thief or the spy. James also can't be the soldier, because then his statement would be a lie. So that must mean David is the soldier. Sara, therefore, must be the spy, since the spy sometimes tells the truth; leaving James as the thief.

## Solution:

David is a

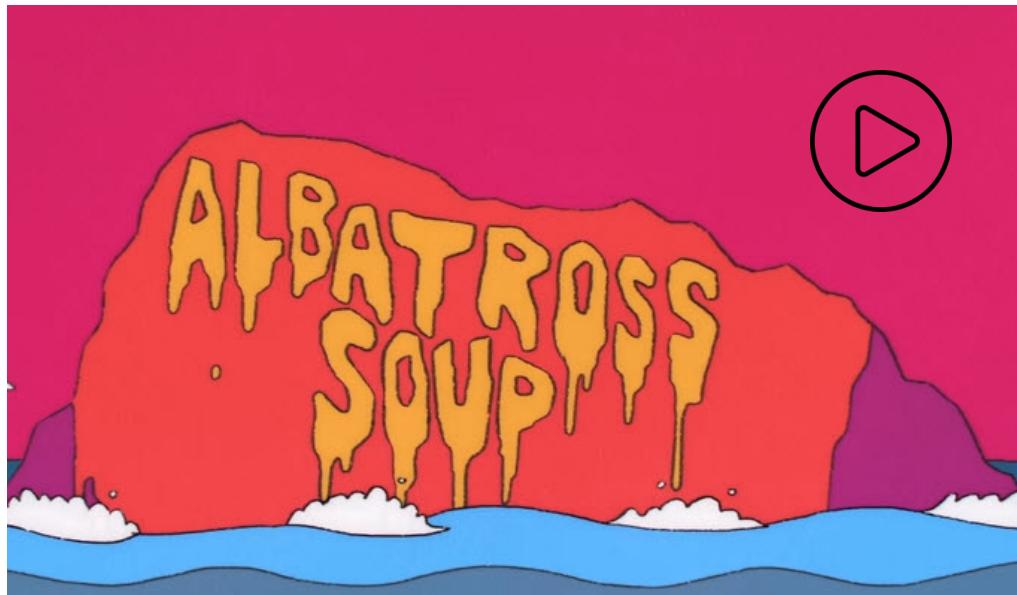
soldier

Sara is a

spy

James is a

thief



## CAN YOU SOLVE THE RIDDLE?

A man gets off a boat. He walks into a restaurant and orders albatross soup. He takes one sip... pulls out a gun, and shoots himself to death. So...why did he kill himself?

### NOTES. QUESTIONS?

### THE SOLUTION:

The man had been in the Navy, and was shipwrecked on an island with his crewmates. Some died of starvation, but the captain kept the rest alive by feeding them what he said was "albatross soup." When the man discovered how different the restaurant's albatross soup tasted, he knew he had really been eating his dead shipmates, and he killed himself out of guilt.

# Solution

## RIDDLES

1. What goes up and down stairs without moving?	Carpet
2. Give it food and it will live; give it water and it will die.	Fire
3. What can you catch but not throw?	A cold
4. I run, yet I have no legs. What am I?	A nose
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21. No sooner spoken than broken. What is it?	Silence

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