

**TEAMWORK**

**EXPERT**

**FOSTERING COLLABORATIVE  
PROBLEM SOLVING**



**SKILL ADDRESSED:**

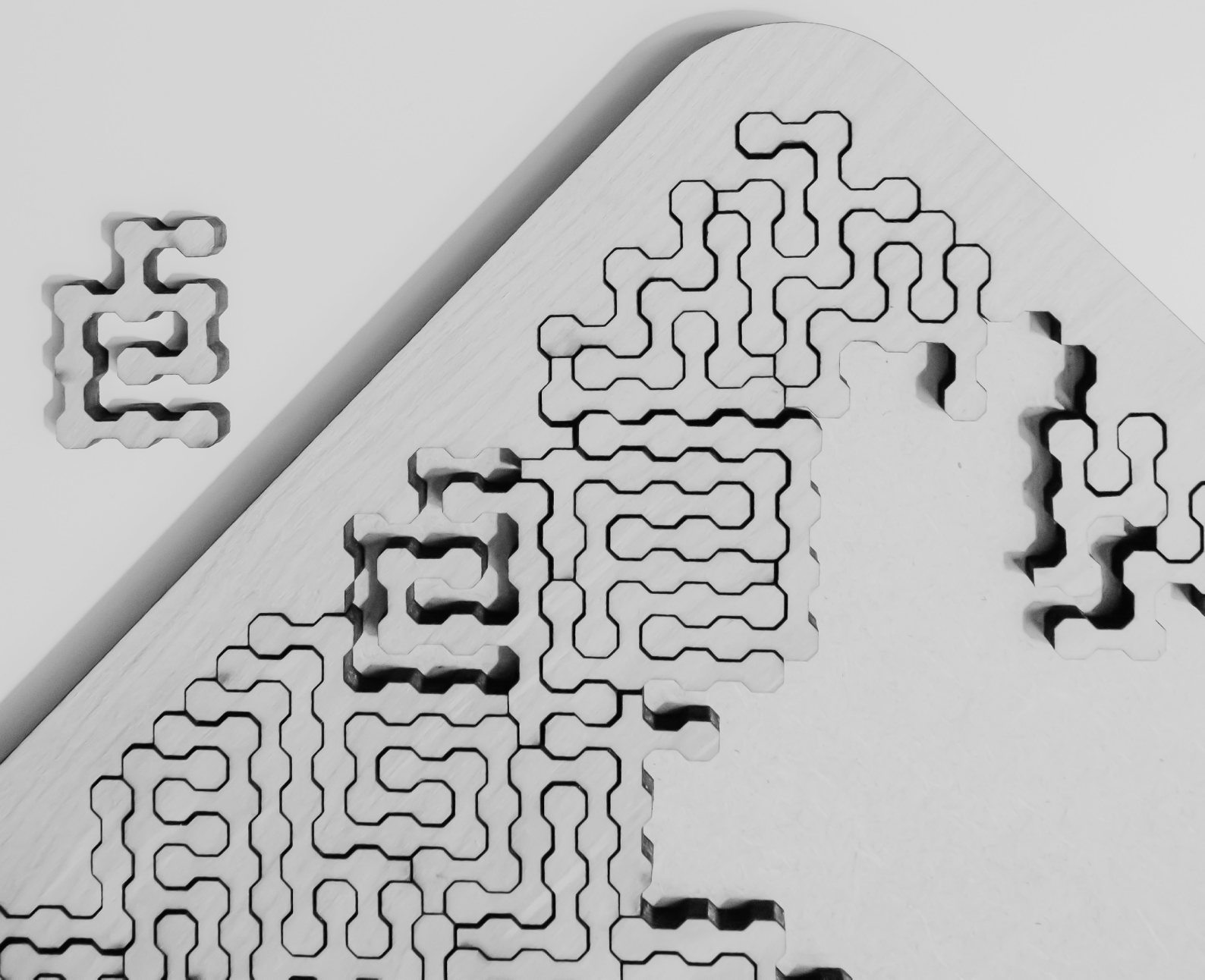
Teamwork

**LEVEL OF CHALLENGE:**

Expert

**TITLE OF ACTIVITY:**

Fostering collaborative problem solving



## INTRODUCTION TO THE SKILL

Let's return to our example from the kitchen, where 100 sandwiches are to be prepared in the shortest possible time.

A team of 5 members has this task together. So it is important that each member is aware of its situation.

If someone orders a sandwich without pickles. It is urgently necessary that the person who creates the sandwiches and is responsible in particular for salads makes sure that this sandwich in particular does not contain any cucumbers. This must also be marked and brought to the right customer.

## **BUT HOW CAN THIS BE AVOIDED AND HOW CAN A GROUP BE PREPARED FOR THIS TASK?**

### THE CHALLENGE

- A team of at least 3 people is required to illustrate and deepen collaborative working. Get together in a team of 4 people.
- Choose a team leader in your group
- The team leader is responsible for making sure that the access code is correct, or in relation to our restaurant example, that the sandwiches are put together correctly.
- The following task serves as the first exercise. Each team member is given a task. Communicate with each other and share your results. Communication is very important here. Once everyone has calculated their result, it is also possible to write down the team result.



Working paper 1 (member 1)

$$\text{corn} + \text{corn} + \text{corn} = 15$$

Working paper 2 (member 2)

$$\text{fork and knife} + \text{fork and knife} + \text{corn} = 25$$

Working paper 3 (member 3)

$$\text{fork and knife} + \text{bread} + \text{bread} = 14$$

Working paper 4 (leader)

$$\text{fork and knife} + \text{bread} + \text{corn} = ?$$

Only if everyone works together will the leader (working paper 4) be able to solve the problem and enter the correct number.

The following challenge is a more complex task.

Here, each group member receives a Sudoku. Again, it is

up to the team leader to ensure that the correct number is submitted.



Working paper 1 (member 1)

7					9		
	4		9	6	7		8
		8		3		7	1
	6	4	1		5		
5	1		▲	4		8	9
		9			5	3	1
4	8			5	7		
2			7	8	9		4
		3					5



Working paper 2 (member 2)

7				●	9		
	4		9	6	7		8
		8		3		7	1
	6	4	1		5		
5	1			4		8	9
		9			5	3	1
4	8			5	7		
2			7	8	9		4
		3					5



Working paper 3 (member 3)

7					9		
	4		9	6	7		8
		8		3		7	1
	6	4	1		5		
5	1			4		8	9
		9			5	3	1
4	8			5	7		
2			7	8	9	+	4
		3					5



Working paper 4 (member 4)

7					9		
	4		9	6	7		8
		8		3		7	1
	6	4	1		5		
5	1			4		8	9
		9			5	3	1
4	8			5	7		
2			7	8	9	+	4
		3					5



Complete sudoku (leader)

7				●	9		
	4		9	6	7		8
		8		3		7	1
	6	4	1		5		
5	1		▲	4		8	9
		9			5	3	1
4	8	■		5	7		
2			7	8	9	+	4
		3					5



This task illustrates once again that in more complex tasks such as solving a Sudoku, each player must try to solve the puzzle with full concentration.

## STRUCTURE

- For this challenge, testing in a team of 4 is advisable. This exercise can be completed online or face-to-face without any problems.

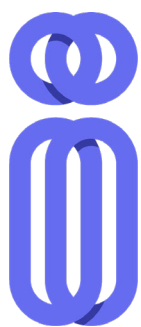


## DEMONSTRATION AND EVALUATION

Particularly emphasized in this module is the joint team effort. Thus, the module demonstrates that tasks that at first glance seem far too complex can be solved very well in teamwork. For this purpose, structures such as role compliance, communication and the definition of a common team goal are indispensable..

Now that you have learned a bit about teamwork, you have the opportunity to test your knowledge once again. Answer the following questions and test your knowledge.

Good luck!



# INTERFACE



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