

3+

# MAZE BUILDERS TRACK SET



PROBLEM SOLVING SKILLS



SPATIAL INTELLIGENCE



CONCENTRATION



**STEM** 

1 STARTER

2 JUNIOR

(3) EXPERT

MASTER

200+
CHALLENGE
STAGES

DIFFICULTY

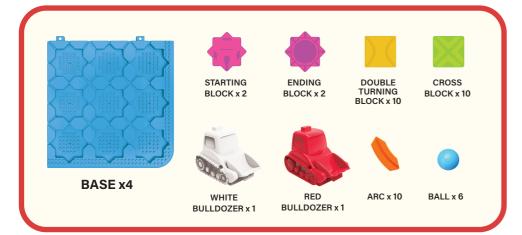
SINGLE PLAYER MODE

TWO BULLDOZERS
RELAY MODE

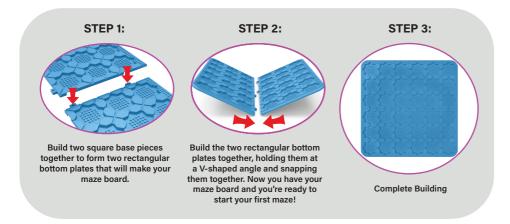
TWO PLAYERS COMPETITIVE MODE

Each game mode has four difficulty levels, which can activate brain thinking, develop association ability, explore cognition, increase parent-child interaction and team cooperation.

### **PARTS LIST**



### THE WAY TO BUILD UP THE BOTTOM:



### CULTIVATE YOUR KID LOGICAL THINKING ABILITY AND PROGRAMMING THINKING ABILITY

Kids can use their imagination to link the starting point and the ending point with the components to make different tracks and mazes, inspiring creativity while playing!

### **GAME MODE INTRODUCTION**

This game has three game modes, respectively single player mode, two cars relay mode, and two players competitive mode. Each game mode has four difficulty levels: primary, easy, hard, and master. These four difficulty levels are distinguished by four colors to make the game more interesting and train the child's logical thinking.

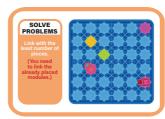
### **GAME MODE:**

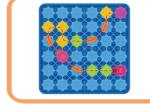
### **SINGLE PLAYER MODE**

First, place the staring and ending blocks according to the instructions and picture. Then build a route that allows the bulldozer to take the ball to the ending block according to the number of modules given by the question card.

### **TWO CARS RELAY MODE**

Place the modules correctly according to the level's instruction picture. The bulldozer needs to be wound up before being placed at the beginning point, then place the ball. According to the number of modules given by the question card, the ball can be relayed to the ending point by the two bulldozers. (Sometimes it has more than one answer.)



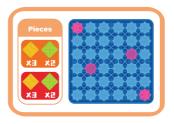


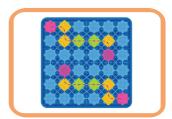
**QUESTION CARD** 

**ANSWERS** 

### **TWO PLAYERS COMPETITIVE MODE**

- 1. Two players choose their own color bulldozer, starting point, and ending point.
- 2. Place the starting block and ending block point according to the level's instruction picture.
- 3. Solve the maze by connecting the starting and ending points using the given pieces. Allow the two bulldozers to take the ball to the ending point successfully. The player who uses the least number of parts or solves in the shortest time wins.

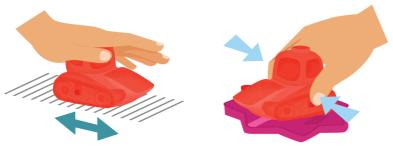




### **HOW TO PLAY**

- Build the four base pieces together completely.

  Place the bulldozer on a flat surface and pull it back to wind.
- When you hear the click sound from the toy bulldozer, the spring is fully wound up.
- After winding up, press the brake buttons on both sides of the bulldozer and place the bulldozer at your starting point. Release the brakes and put a ball in the bucket.
- Gently push the toy bulldozer and when the back wheel passes the dividing point, the bulldozer will travel to the ending point, following your constructed maze!



### **TOY BULLDOZER INSTRUCTION**

- Before placing the bulldozer at the starting point, you need to wind up the spring fully. (Tips: Please watch the bulldozer carefully, don't pull the bulldozer back after the spring is already fully wound, in order to avoid damaging the bulldozer because the spring gets over wound.)
- Pay attention to the position of the bulldozer when you place the wound up bulldozer in the starting point, the dividing slice should be between the bulldozer's back wheel and the bulldozer's dividing slice in the bottom, which allows the bulldozer to rest (as shown in the picture below), then you can put the ball in.
- When you finish building the trail, gently push the bulldozer behind it and let the bulldozer's back wheel pass the dividing slice at the starting point. Then the bulldozer can successfully take the ball through the placed pieces.



The position in which you should place the dividing slice.





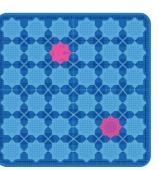
### **COLLECTION OF QUESTIONS**

Solve the question according to the question card's requirement ---use the pieces to link the starting point and the ending point, which allows the bulldozer to successfully take the ball to the ending point.

SINGLE PLAYER MODE



least number of pieces. (Tips: Three pieces are needed for linking.)







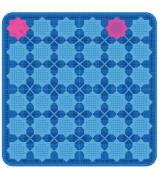


According to the question card's requirements, there are three ways of linking.



#### SOLVE PROBLEMS

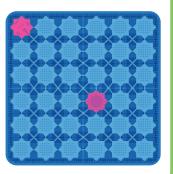
Link with the least numbe of pieces. (Tips: Three pieces are needed for linking.)





### SOLVE PROBLEMS

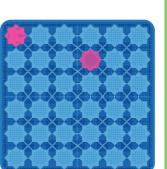
Link with the least number of pieces. (Tips: Three pieces are needed for linking.)





### SOLVE PROBLEMS

of pieces.
(Tips: Three pieces are needed for linking.)

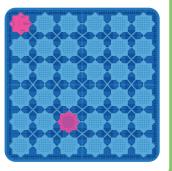




#### SOLVE PROBLEMS

Link with the least number of pieces.

(Tips: Three pieces are needed for linking.)

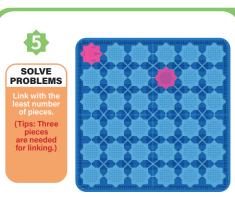


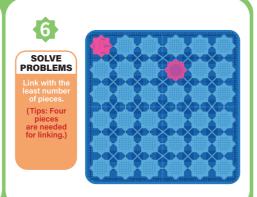


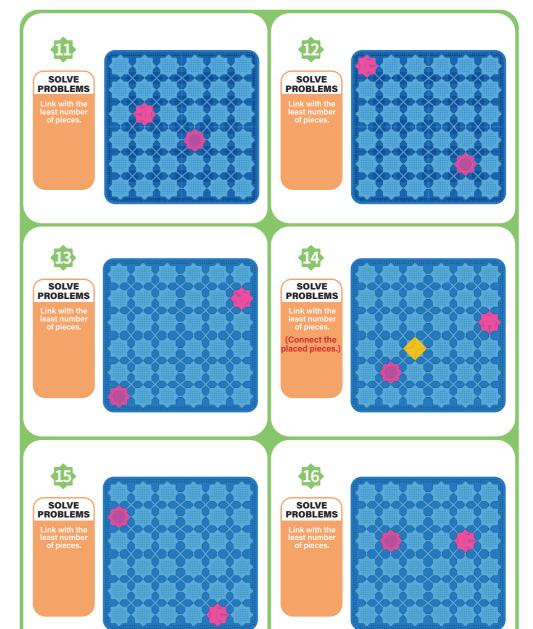


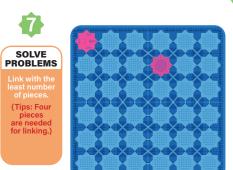
### At the primary level, you should know how to use the pieces!

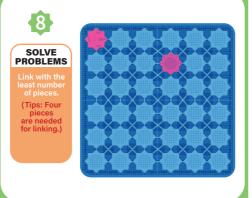


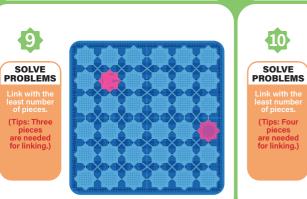


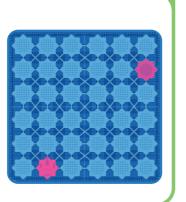














9





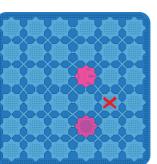
The difficult level has gone up. Give it a try!

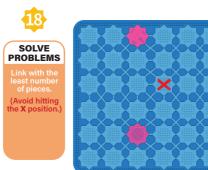


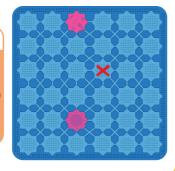


### SOLVE **PROBLEMS**

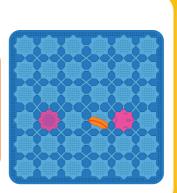


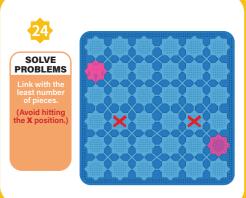








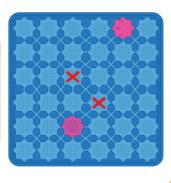




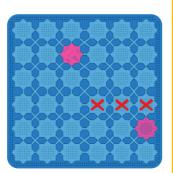


### SOLVE PROBLEMS

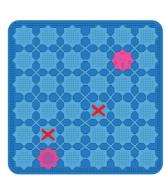
(Avoid hitting the **X** position

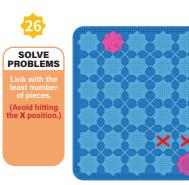








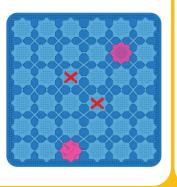






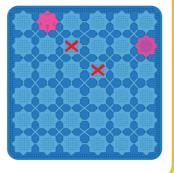
## SOLVE PROBLEMS

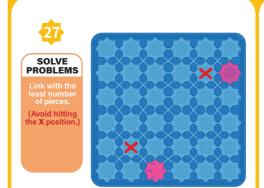
(Avoid hitting the **X** position.



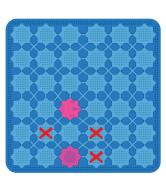


SOLVE PROBLEMS (Avoid hitting the **X** position.











XE XZ

X1

The difficulty level is now hard, you should keep going! Use the Pieces provided by the question card to link the trail.



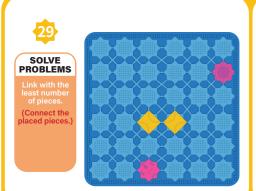


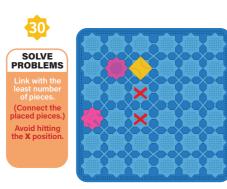
SOLVE

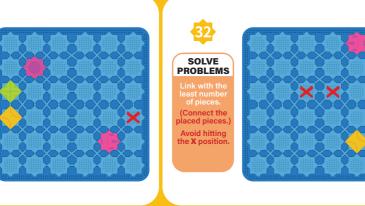
**PROBLEMS** 

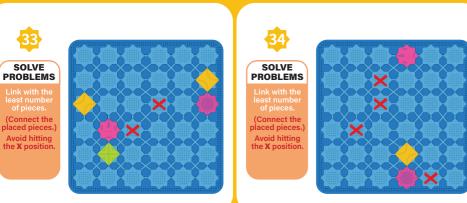
(Connect the placed pieces.

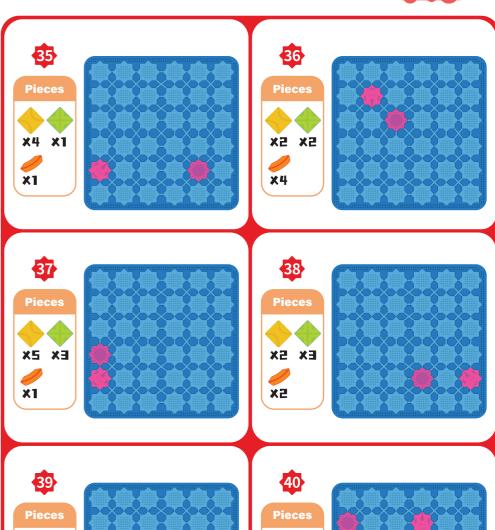
Avoid hitting the **X** position











X5 X2

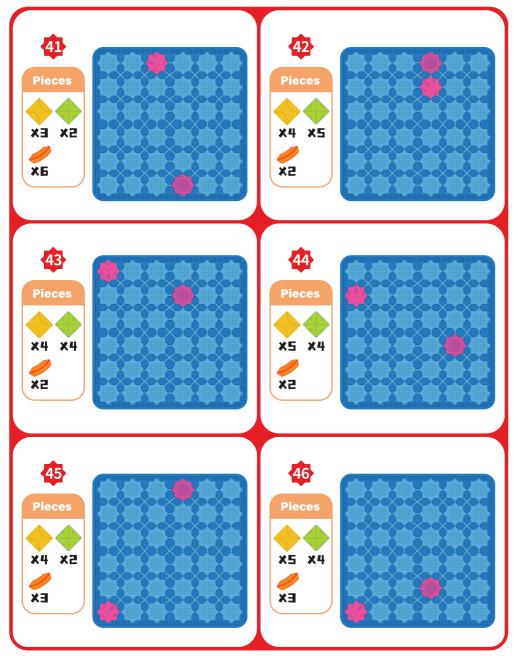
ΕX

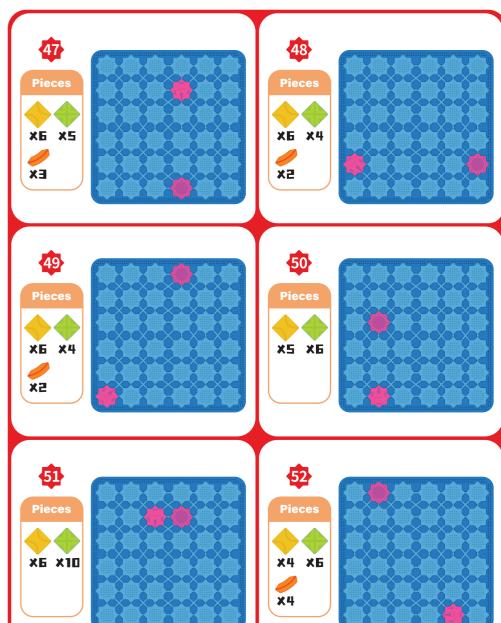








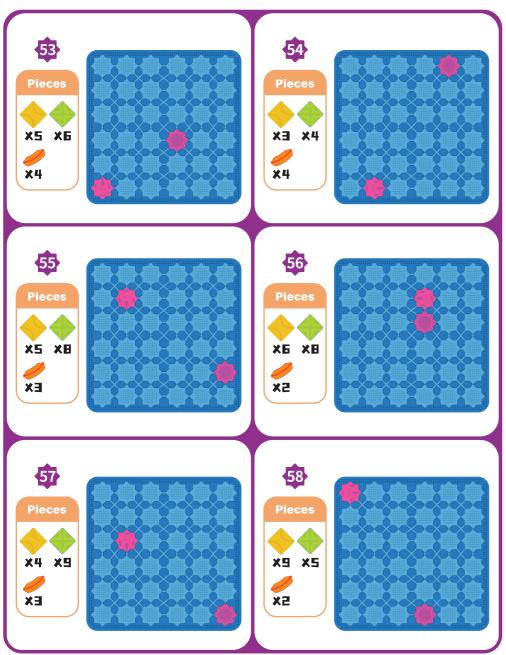


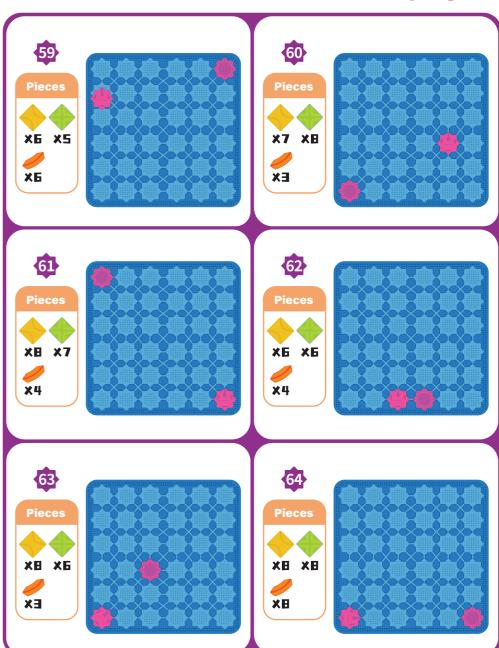




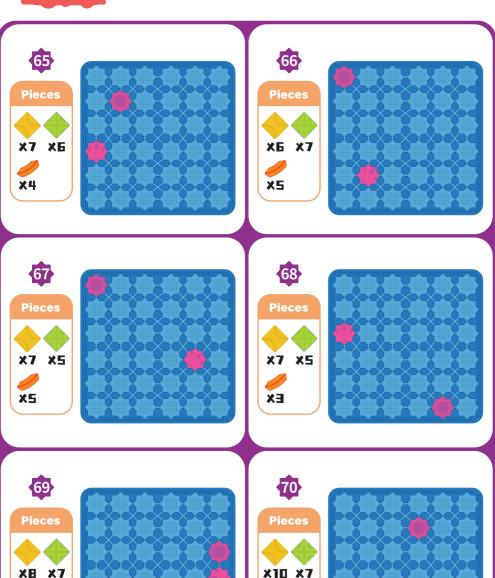
The difficulty level is now master. Give it a try!











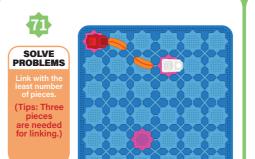
X4

### **COLLECTION OF QUESTIONS**

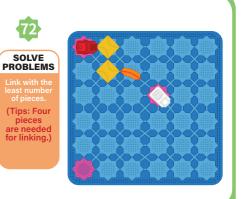
Solve the puzzler according to the question card's requirements. First link the train from the first starting point (red bulldozer) to the second starting point (white bulldozer). Then link the trail from the second starting point (white bulldozer) to the final ending point. Let the two bulldozers successfully take the ball to the ending point.

TWO BULLDOZERS **RELAY MODE** 

Oops, if the bulldozer gets stuck in the pit, use the other bulldozer to help it out!



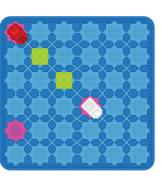


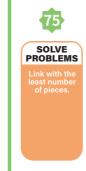


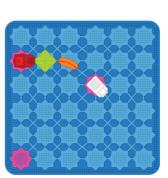




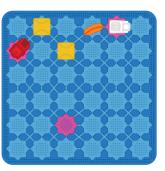














X4

Primary difficulty level, the route of the red bulldozer to the white bulldozer has already been properly linked. Fill in the rest of the pieces to link from the second starting point (white bulldozer) to the ending point. Can you get the bulldozers to smoothly transport the ball to the ending point? TWO BULLDOZERS **RELAY MODE** 

### **COLLECTION OF QUESTIONS**

### **COLLECTION OF QUESTIONS**

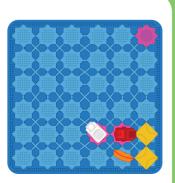
Build the route according to the given pieces on the question card. Can you get the ball to reach the ending point successfully?





### SOLVE **PROBLEMS**

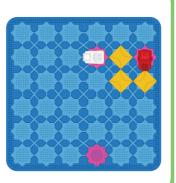
(Tips: Three for linking.





### SOLVE **PROBLEMS**

(Tips: Four pieces are needed for linking.)





X1

ΧZ









#### SOLVE PROBLEMS

(Tips: Four pieces are needed

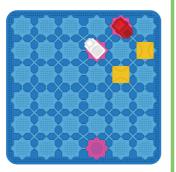




### SOLVE **PROBLEMS**

(Tips: Five



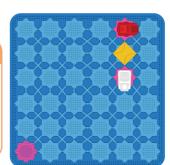




### **Pieces**

















### SOLVE **PROBLEMS**

(Tips: Five

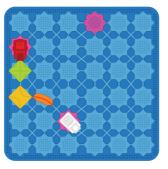
for linking.





### SOLVE **PROBLEMS**

(Tips: Five for linking.)

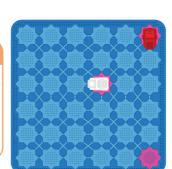






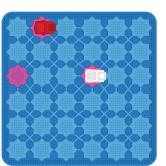
















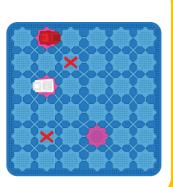
### The difficulty level has gone up. Give it a try!





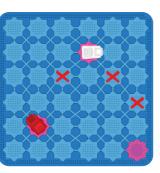
### SOLVE **PROBLEMS**

Avoid hitting the **X** position





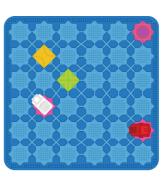






### SOLVE **PROBLEMS**

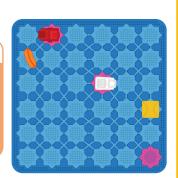
(Connect the placed pieces.)





### SOLVE **PROBLEMS**

(Connect the placed pieces.)





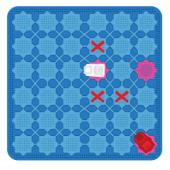
### SOLVE PROBLEMS

Avoid hitting the **X** position





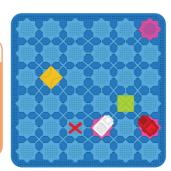
SOLVE PROBLEMS Avoid hitting the **X** position





### SOLVE **PROBLEMS**

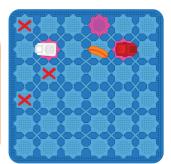
(Connect the placed pieces. Avoid hitting the X position





### **PROBLEMS**

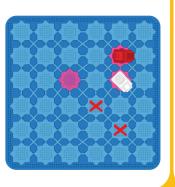
(Connect the placed pieces.) Avoid hitting the X position





### SOLVE PROBLEMS

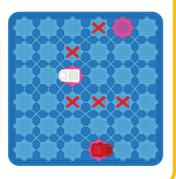
Avoid hitting the **X** position





### SOLVE **PROBLEMS**

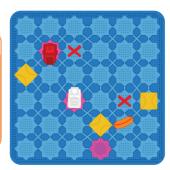
Avoid hitting the **X** position





### SOLVE PROBLEMS

(Connect the Avoid hitting the X position





### SOLVE PROBLEMS

(Connect the blaced Pieces.





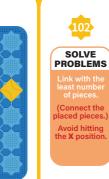
### **COLLECTION OF QUESTIONS**

The difficulty level is now hard, you should keep going! Build the route by using the pieces provided by the question card, you need to link the already placed modules.



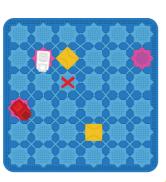




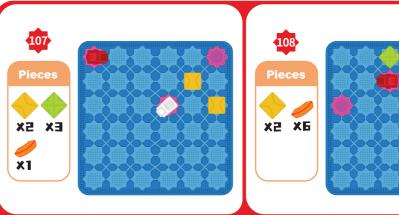


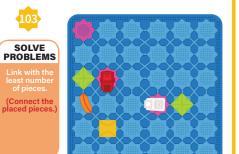
SOLVE

(Connect the placed pieces.)

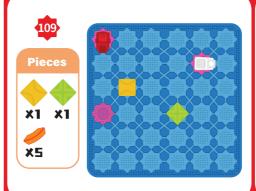


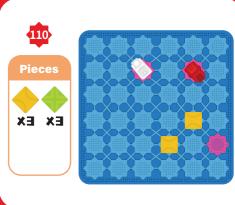












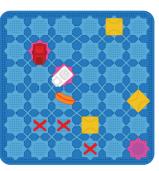


(Connect the placed pieces

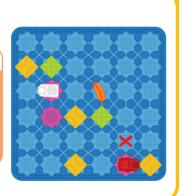
Avoid hitting the **X** position

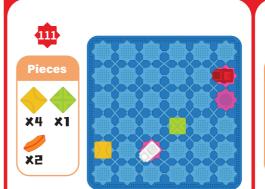
SOLVE

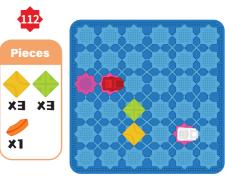
(Connect the placed pieces







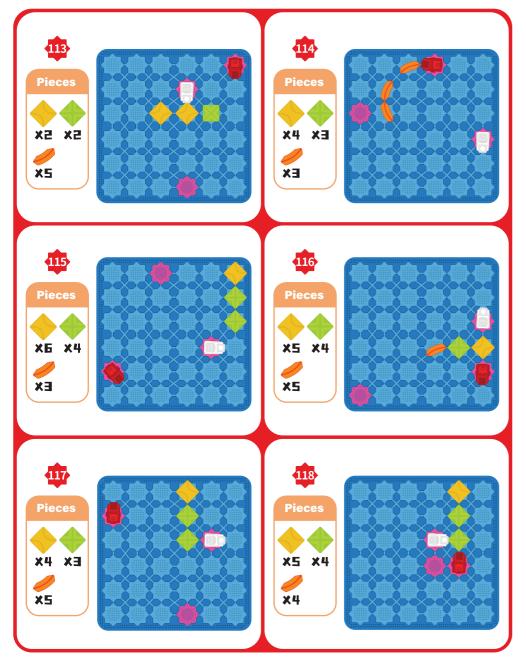


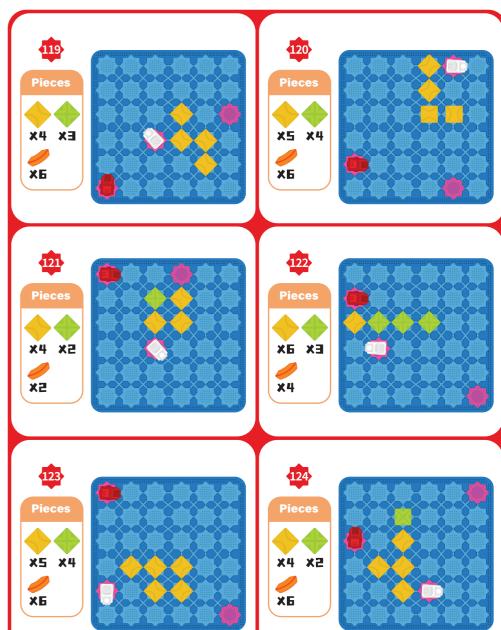








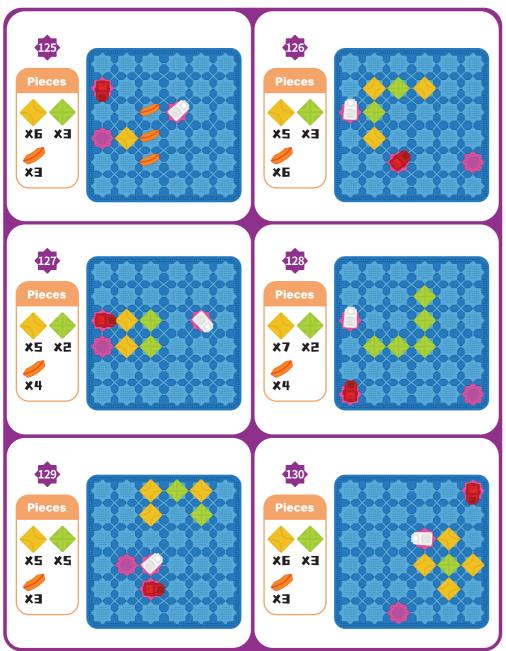


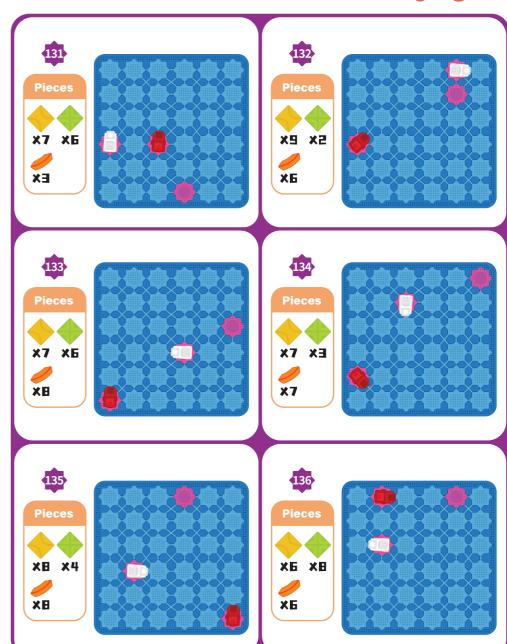




The difficulty level is now master. Give it a try!

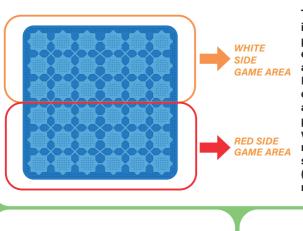








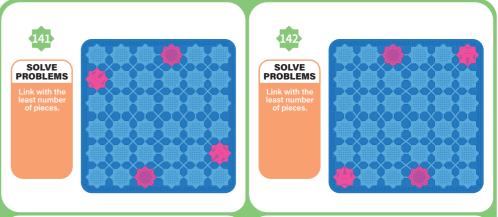


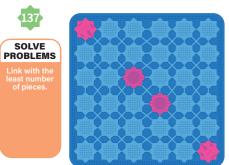


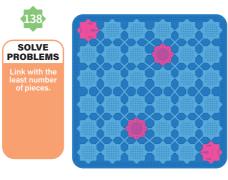
The base boards are divided into white and red sides. Each player places a starting and ending point in their area according to the game level. Build the route according to the question card's requirements and let the ball reach the ending point successfully. The player who meets the question card's requirements and uses the shortest time wins.

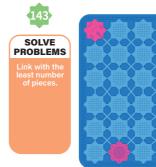
(Tip: some question cards have

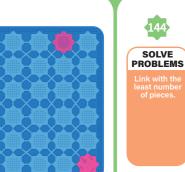
(Tip: some question cards have more than one route.)

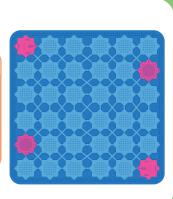


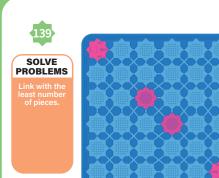




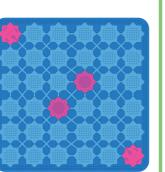


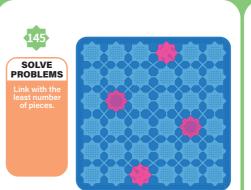




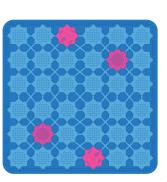












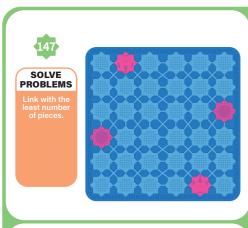


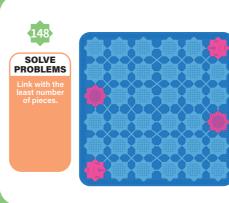
SOLVE

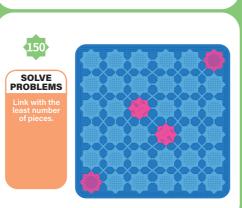
PROBLEMS

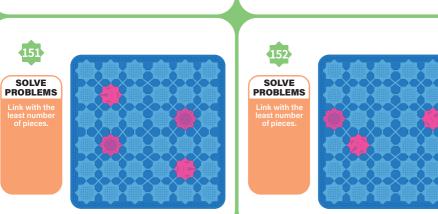
### The difficulty level has gone up. Give it a try!

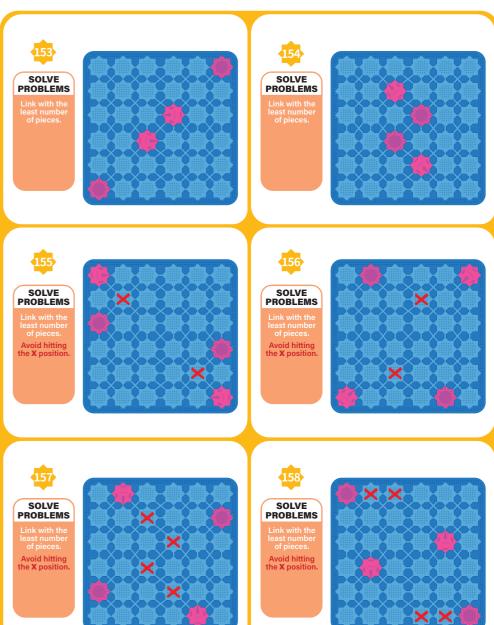
















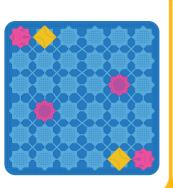






### SOLVE **PROBLEMS**

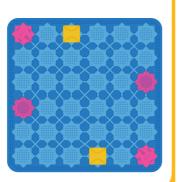
(Connect the placed pieces.)





### SOLVE **PROBLEMS**

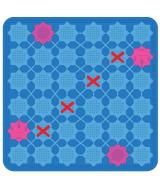
(Connect the placed pieces.) Avoid hitting the **X** position.





#### SOLVE **PROBLEMS**

Avoid hitting the **X** position

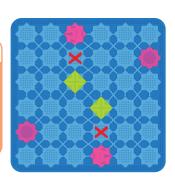




#### SOLVE **PROBLEMS**

(Connect the placed pieces.

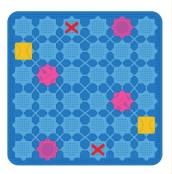






#### SOLVE **PROBLEMS**

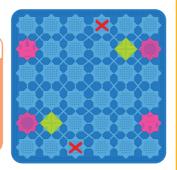
(Connect the placed pieces.) Avoid hitting the X position





### SOLVE **PROBLEMS**

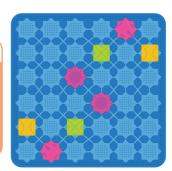
(Connect the placed pieces.) **Avoid hitting** 





### SOLVE **PROBLEMS**

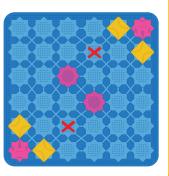
(Connect the placed pieces.





#### SOLVE **PROBLEMS**

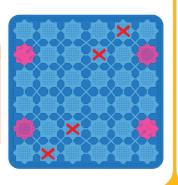
(Connect the placed pieces.) Avoid hitting the X position





#### SOLVE **PROBLEMS**

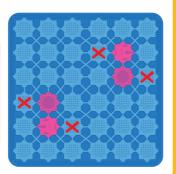
Avoid hitting the **X** position





# SOLVE

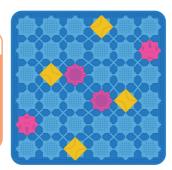
**PROBLEMS** Avoid hitting the **X** position





#### SOLVE **PROBLEMS**

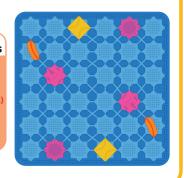
(Connect the placed pieces.





#### SOLVE **PROBLEMS**

(Connect the placed pieces.)







### **COLLECTION OF QUESTIONS**

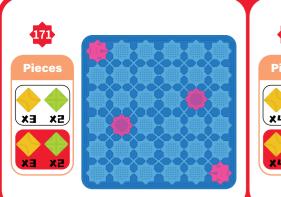
TWO PLAYERS COMPETITIVE MODE

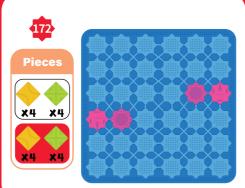
The difficultly level is now hard. You can do it! The white side should use the pieces provided in the white frame and the red side should use the pieces provided in the red frame to build the route!

### **COLLECTION OF QUESTIONS**

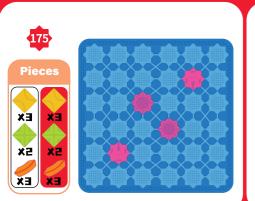
Build the route according to the pieces provided by the question card, let the ball reach the ending point successfully.

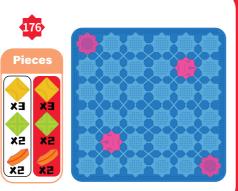


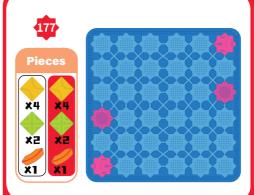


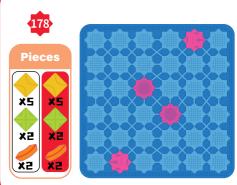


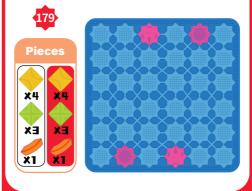


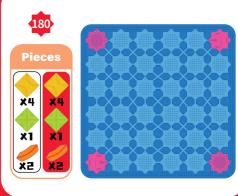


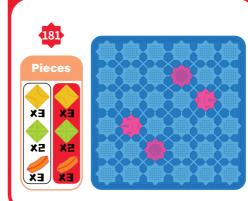


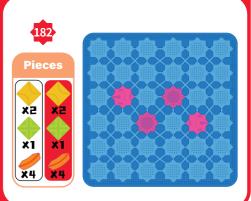














Pieces

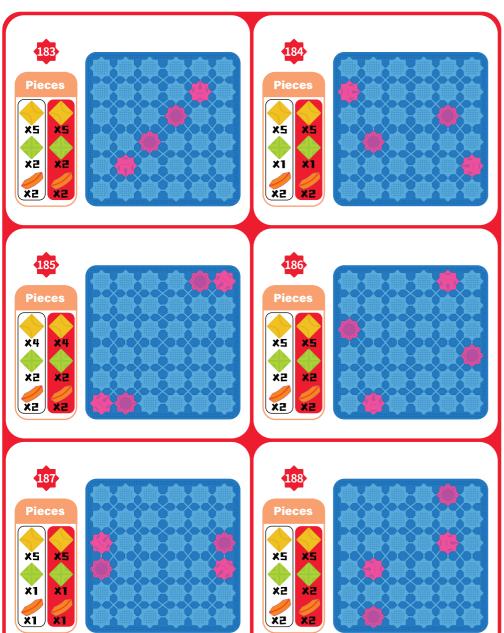
ΧZ

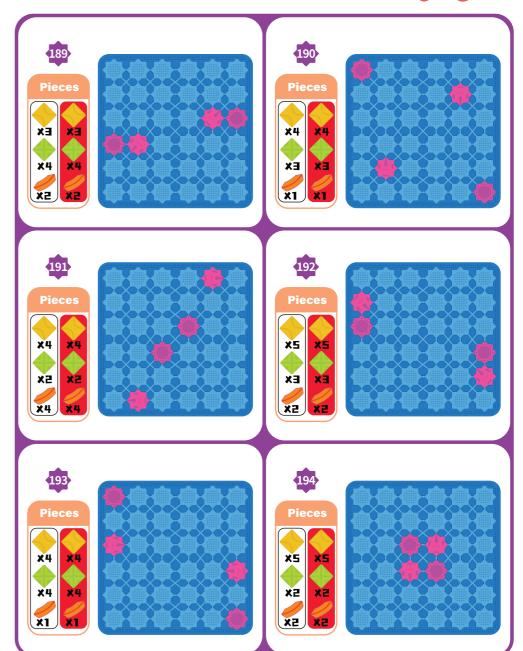
EΧ

X2



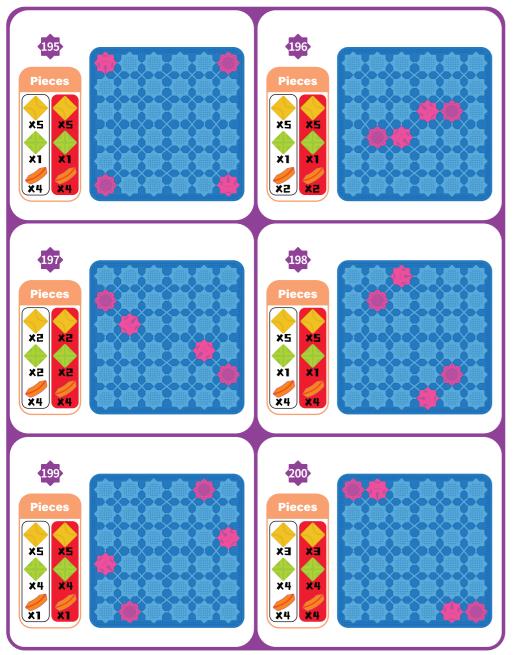
The difficulty level is now master. Give it a try!

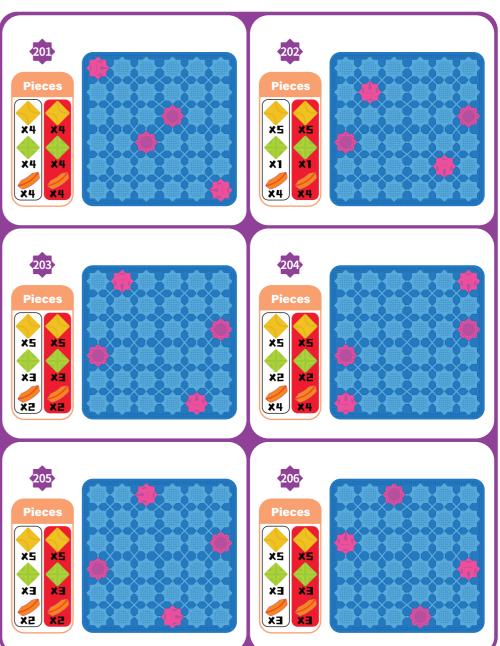












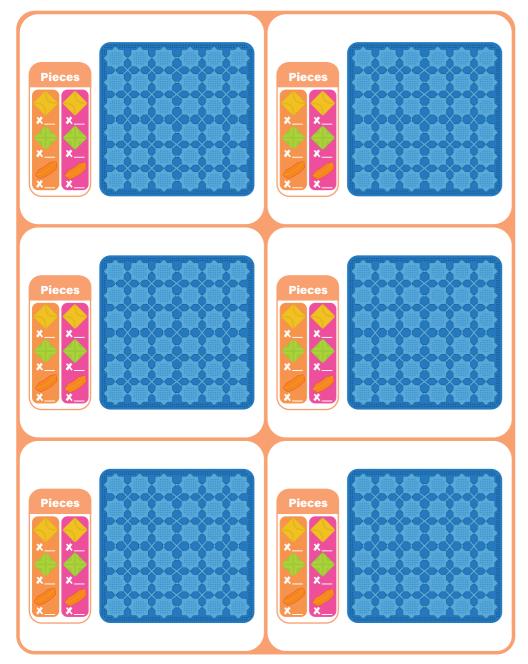


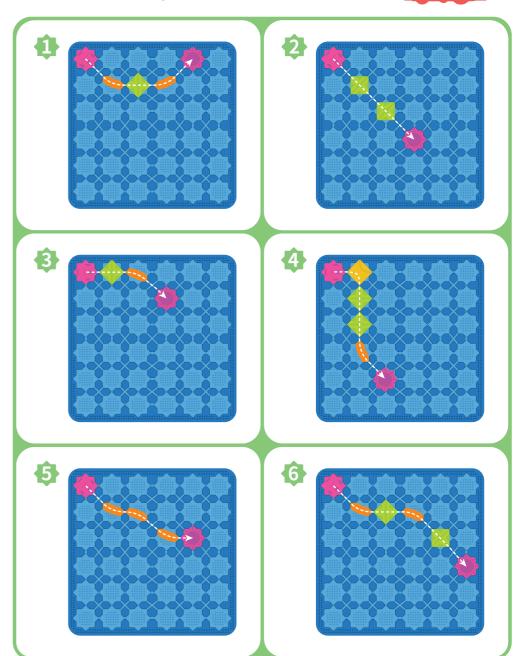
INDEPENDENT CREATION

Create your own unique question cards and draw the corresponding route!

Below are the answers to the questions. (Some questions have more than one answer, here only one answer is shown.)



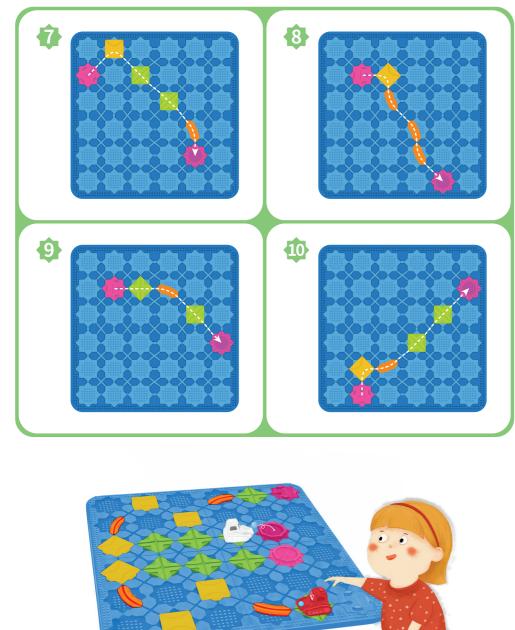


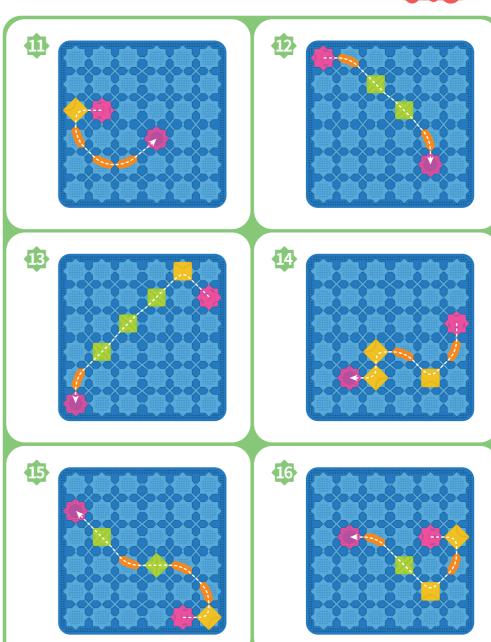




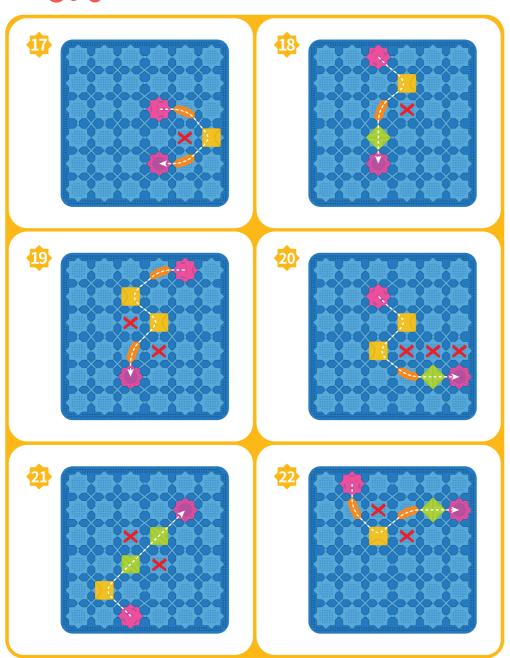




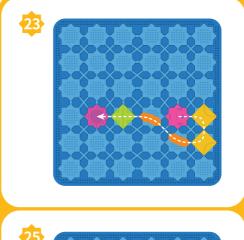


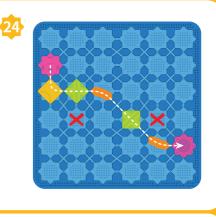


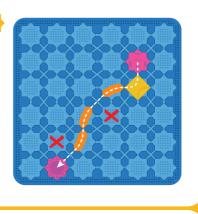


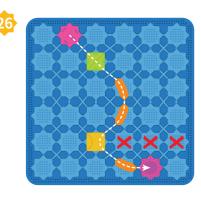


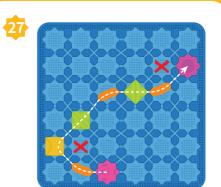


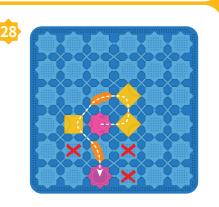








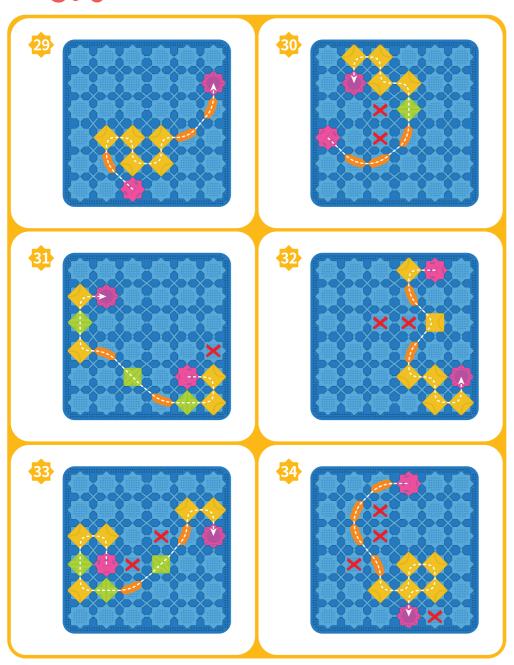


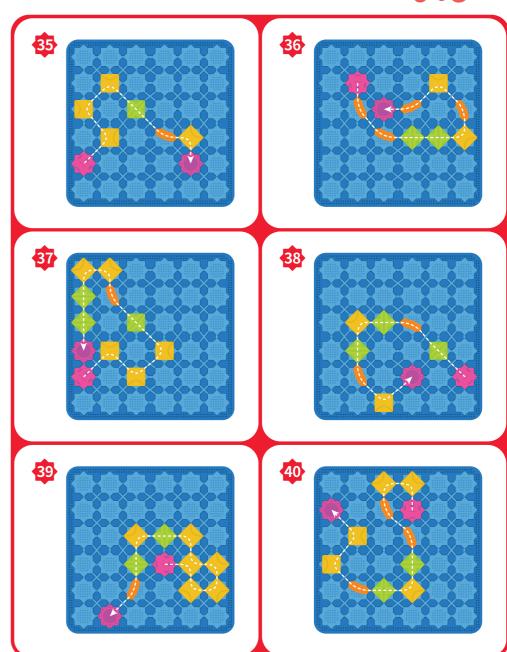






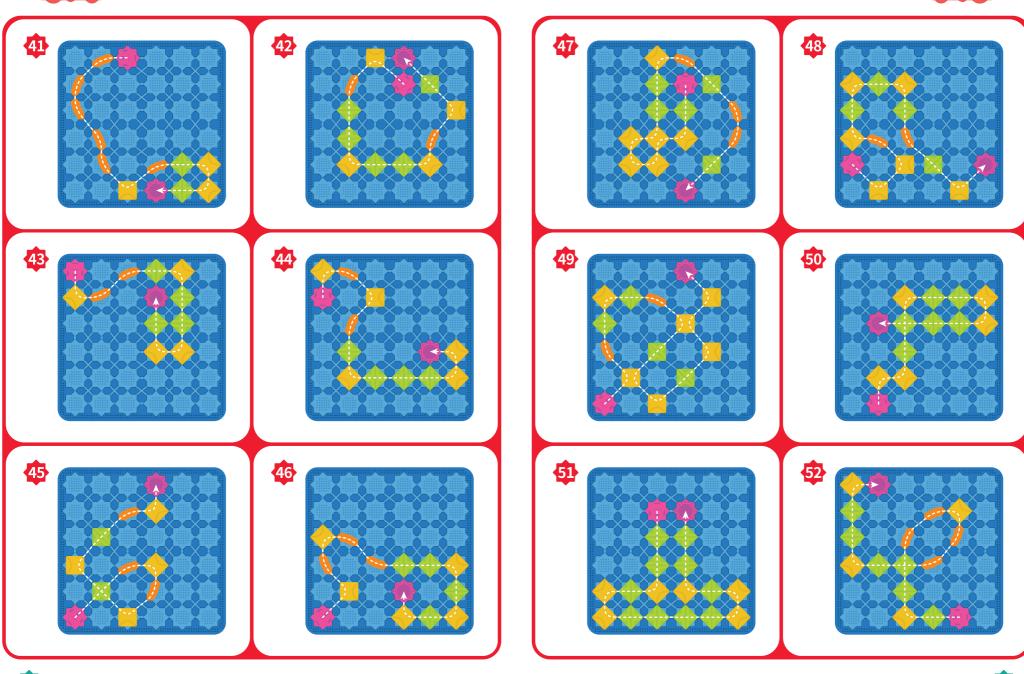






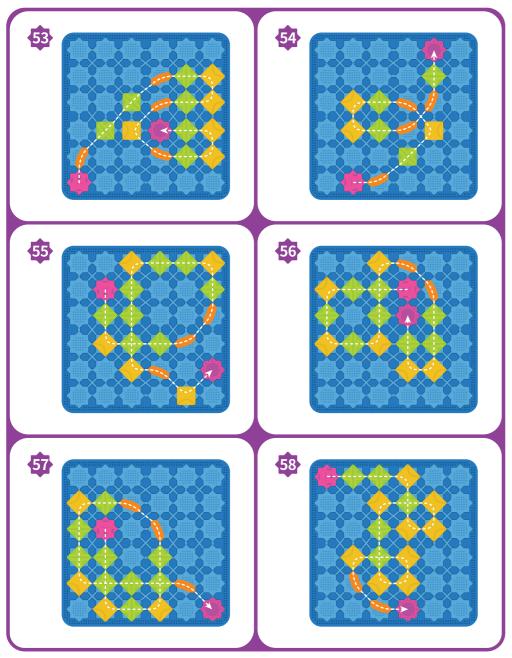


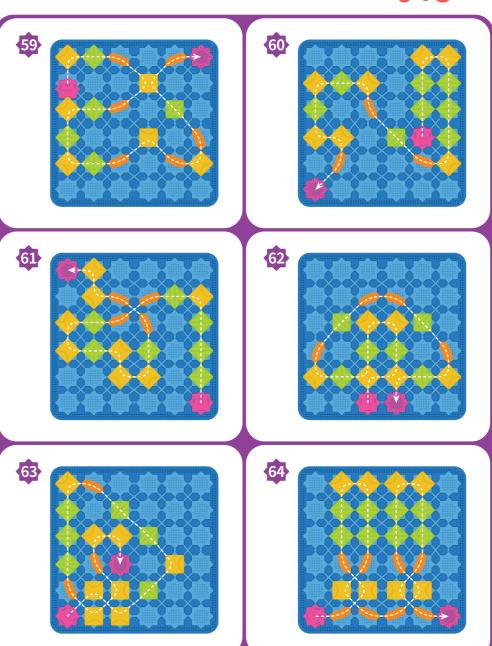














TWO BULLDOZERS
RELAY MODE

TWO BULLDOZERS RELAY MODE

Below are the answers to the questions. (Some questions have more than one answer, here only one answer is shown.)

