

标准英语分级读物·学生卷·第2级

# 世界各地的数字游戏 NUMBER GAMES AROUND THE WORLD

原版美国阅读教程  
用英文阅读，学百科知识

完美实现国家新课程标准要求

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## 世界各地的数字游戏

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# 最佳学习安排

## 训练正确阅读习惯，提高理解分析能力

- 第一步，正式的学习开始之前，请先认真阅读封面封底，以了解本书的特点。
- 第二步，在开始阅读某一本书时，首先阅读目录页，然后粗略翻阅全书各页，看一看照片的图表。根据以上粗读所获信息判断出本书的基本内容和主题。
- 第三步，想一想你已经掌握了多少关于本书主题的知识。
- 第四步，开始阅读。阅读的重点放在与主题相关的新知识上。哪些是你通过阅读本书获得的新知识，用简洁的方式做上标记。
- 第五步，边读边标出你有切身体会的地方，你喜欢或支持的观点或做法。
- 第六步，遇到当页注释中没有的生词，要尽量根据上下文猜出它的意思，而不要马上查词典，以免打断阅读。将这些生词标出来，读后查词典印证你的猜测。
- 第七步，读完后，总结文章主要讲的是什麼，并在文中找出具体内容支持你的判断。

## 掌握地道英文写作，学习纯正英语表达

- 第八步，完成阅读后，分析本书文章的写作方法，写出本书提要。
- 第九步，与同学们就本书主题展开讨论，并提出自己的观点和结论。

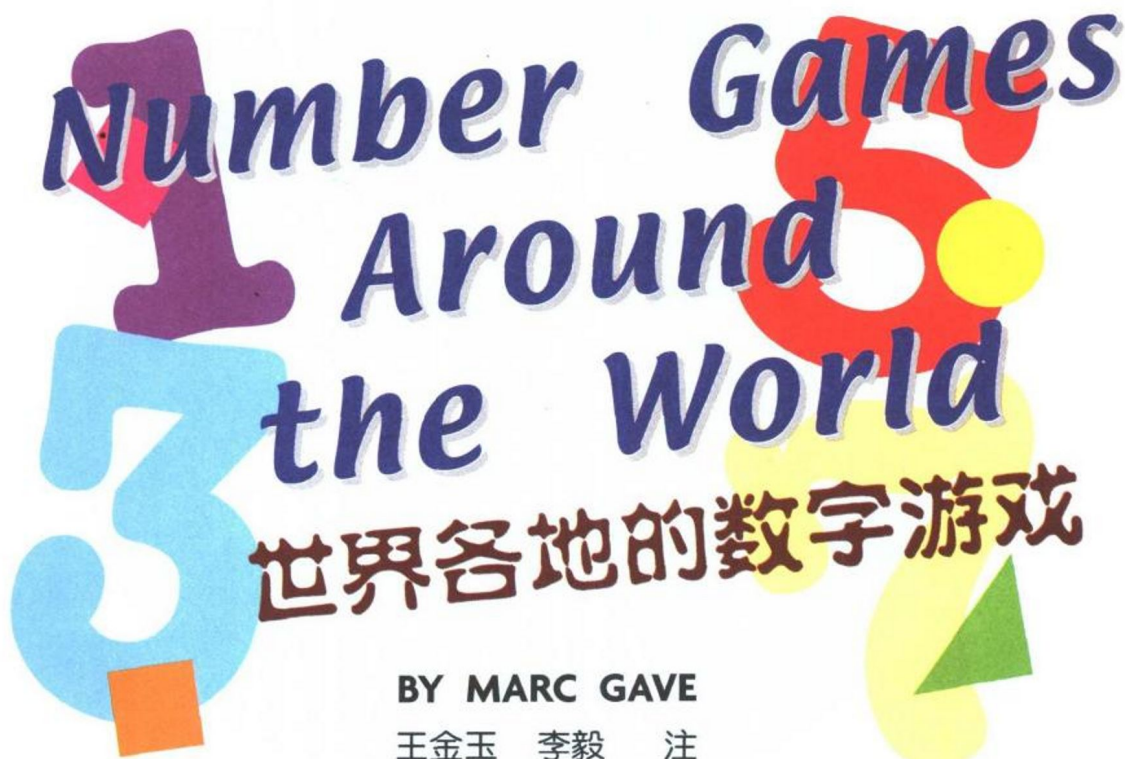
# 重 要 提 示

## 利用词汇注释巩固和扩充词汇量

为扩充学生词汇量，超出高中课本范围的词汇在读本各页中做了注释，并汇总在书后词汇表中，以方便学习和记忆。

## 利用音标学习单词发音

为规范本读物的音标标注方法，并更充分地体现美式发音的特点，本读物采用标准的 Jones 国际音标和 K.K 音标，Jones 在前，K.K 在后，同时标注同一个单词。此两种音标为目前使用最多的音标系统，而 K.K 音标又能充分体现美式发音的特点。音标查证以商务印书馆的《牛津高阶英汉双解词典》（第四版）为准。



# Number Games Around the World

## 世界各地的数字游戏

BY MARC GAVE  
王金玉 李毅 注

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# ● Introduction



Chess was a popular game of royalty, as this painting from the early 1300s shows.

This painting shows the queen Nefertiti, an Egyptian queen from the fourteenth century, playing a game called senet.



**D**o you like to work with numbers? Or do you sigh with relief when you finish your math homework?

Numbers are an essential part of daily life. Just think of all the things you do that involve numbers. Numbers can be fun, too. For thousands of years, people all around the world have been using numbers to play games.

essential [ɪˈsenʃl, əˈsenʃəl] a. 必要的, 基本的  
royalty [ˈrɔɪəlti, ˈrɔɪəlti] n. 王族, 皇室

At first, number games were very simple. The first game boards were drawn on the ground with sticks. Stones were used as playing pieces. With time and the spread of games to different cultures, the rules sometimes changed. These changes, in turn, often changed the game itself.

**It's a  
FACT!**

Chess is a famous game in which each piece can be moved only a certain number of squares. In existence since at least 500 A.D., chess is believed to have been first played in India. It is also thought that the pieces represented different parts of the Indian army. Many of the rules of chess have changed over time.



Many people enjoy playing chess today. This boy and his father are an example.

# Magic Squares

**M**agic squares are similar to crossword puzzles. You can think of them as the crossword puzzles of math.

Magic squares date back thousands of years to ancient Egypt and Greece. They were also played in the Arab world and in China in the twelfth century. In more modern times, magic squares were a favorite of Benjamin Franklin. He loved to make his own.

The idea behind magic squares is simple. No matter how you add a series of numbers—vertically, horizontally, or diagonally—the sum is the same.

Benjamin Franklin 富兰克林

(1706–1790, 美国政治家和科学家)

diagonally [daɪˈæɡənəli, daɪˈægnli]

ad. 斜向地

horizontally [ˌhɒrɪˈzɒntəli,

ˌhɒrəˈzɒntli] ad. 水平地

Lo River 洛河

turtle [ˈtɜːtl, ˈtɜːtl] n. 海龟

vertically [ˈvɜːtikli, ˈvɜːtikli]

ad. 竖向地

It's a  
**FACT!**

Some people claim that magic squares date from 2200 B.C., when they were played by the Chinese. According to legend, the pattern was first revealed on the shell of a turtle that crawled out of the Lo River.

4	9	2
3	5	7
8	1	6



In "magic nine," each of the numbers from one to nine must be placed so that the sum of three numbers in any line is 15.

**SOLVE  
THIS!**

**1** Can you solve these magic squares?

A.

8		4
6	7	2

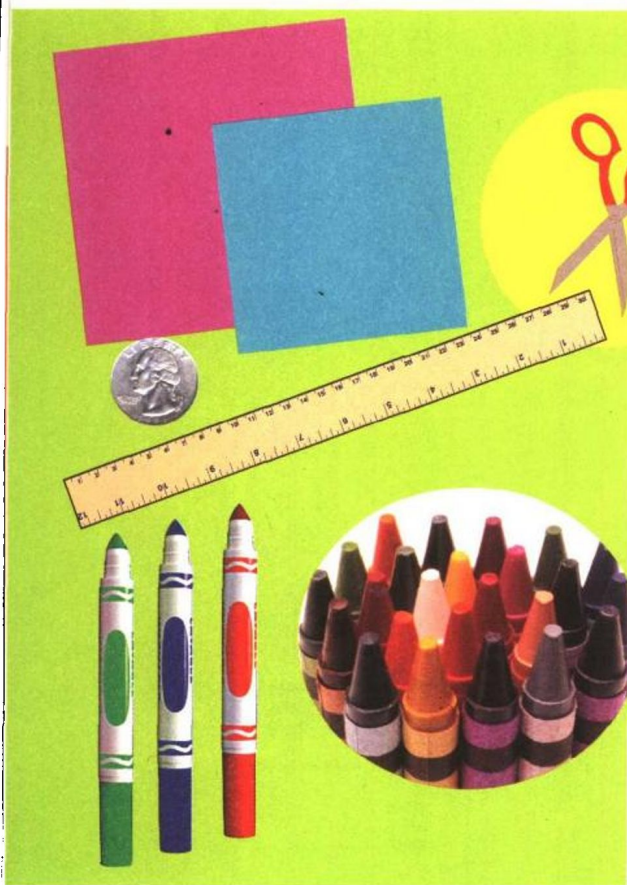
B.

2		6
	5	
4		8

C.

7		1	14
2	13		
16	3	10	5
			4

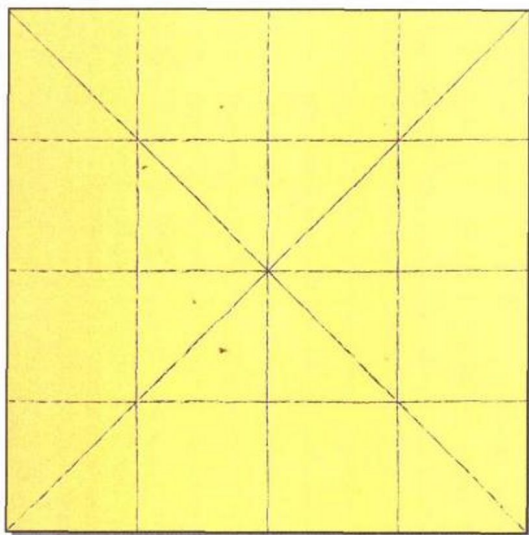




## Make Your Own Magic Nine Game

### What you need:

- two square pieces of stiff cardboard (one about 6 by 6 inches and the other about 4 by 4 inches)
- ruler
- quarter or similar-size disk
- pencil
- crayons or markers (optional)
- scissors



crayon ['kreɪən, 'kreən] n. 蜡笔

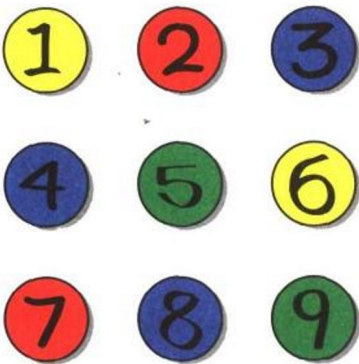
marker ['mɑ:kə(r), 'markə] n.

作标记的工具 (如笔等)

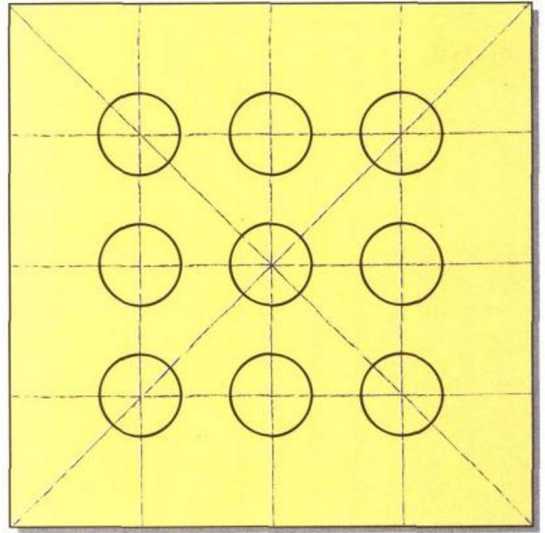
### What to do:

1. Use a ruler to mark up the larger piece of cardboard so that it has four squares across and four squares down. Make your guidelines light unless you want them to form a pattern on your finished game. This is your game board.

2. On the game board, trace around the quarter nine times, as shown.
3. On the smaller piece of cardboard, trace around the quarter nine times and then cut out the nine disks.
4. Color the disks or leave them plain. Write the numbers 1 through 9 on them.
5. Decorate your game board if you wish.



even ['i:vən, 'ivən] a. 偶数的  
odd [ɒd, əd] a. 奇数的



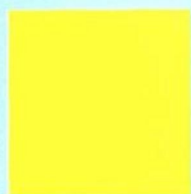
### How to play:

1. Divide the disks between you and another player. One player should take the odd numbers, the other the even numbers. (You can switch off from game to game.)
2. The person with the odd numbers goes first, putting a disk on any of the game-board circles.
3. Players take turns until one player completes a row of three numbers that add up to 15. This player is the winner.

## 2 Tangrams

**A** tangram is a Chinese game that is played with seven geometric shapes that form a large square. The shapes include two large triangles, one medium triangle, two small triangles, a small square, and a parallelogram. Each of these shapes is called a tan. The object of the game is to make a tangram, or design, using all seven shapes.

geometric [dʒiə'metrik, ˌdʒiə'metrik] a. 几何学的  
parallelogram [ˌpærə'lelɒgræm, ˌpærə'lelɒgræm]  
n. 平行四边形  
tangram ['tæŋgræm, 'tæŋgrəm] n. 七巧板



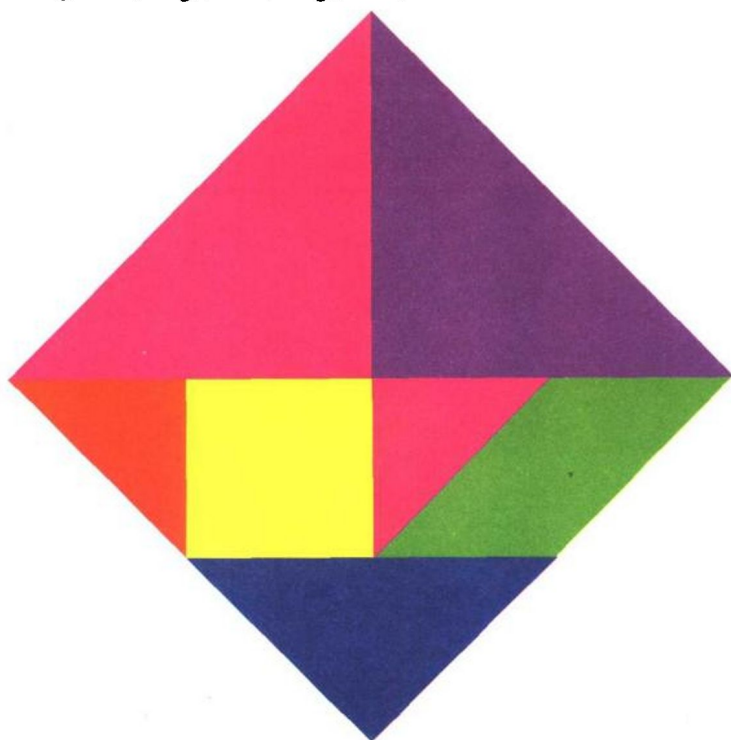
↑ square



↑ triangle



↑ parallelogram





The designs can be a variety of things: animals, people, vehicles, for example. So far, more than 1,600 tangrams have been assembled.

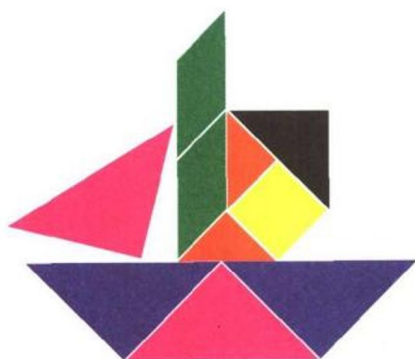
You can make your own tangrams by following the designs provided in books available in your library or a bookstore.

assemble [ə'sembl, ə'sɛmbəl] v. 拼装

available [ə'veɪləbl, ə'veləbl] a. 可用的, 可得到的



John Quincy Adams (the second president of the United States), Napoleon Bonaparte (ruler of France from 1799 to 1814), Edgar Allan Poe (the mystery writer), and Lewis Carroll (creator of *Alice in Wonderland*) are just a few of the famous people who enjoyed tangrams.



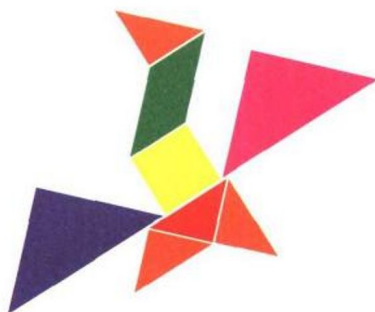
↑ sailboat



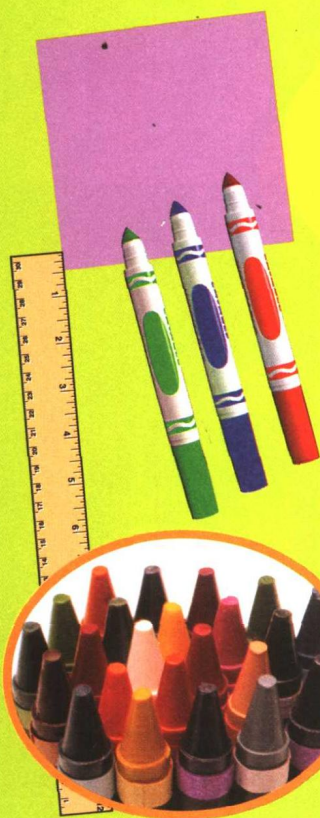
↑ person running



↑ person walking



↑ bird in flight



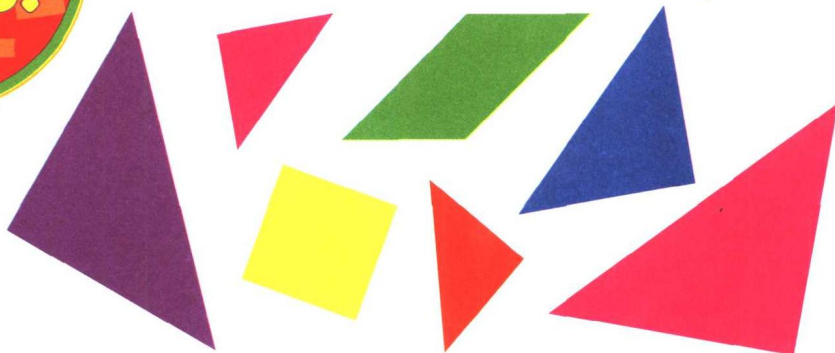
## Make Your Own Tangram

### What you need:

- piece of poster paper or cardboard about  $3\frac{1}{2}$  inches square
- ruler
- pencil
- scissors
- crayons or markers

**SOLVE  
THIS!**

**2** Can you figure out how to put the square back together?



**What to do:**

1. Draw a diagonal line across the square. Cut along the line to make two large triangles.

---

2. Fold one large triangle in half as shown. Cut along the fold.

---

3. Fold the point of the other large triangle as shown. Cut along that fold, too.

---

4. Fold the larger piece in half and cut it.

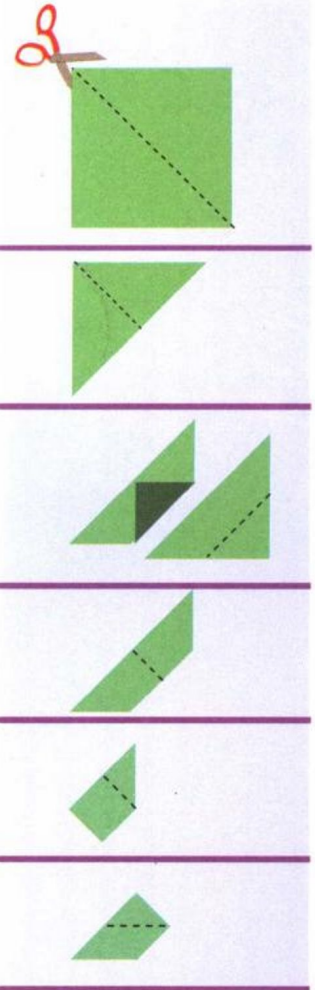
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5. Fold one of these pieces as shown and cut along the fold.

---

6. Fold the other small piece as shown and cut along the fold.

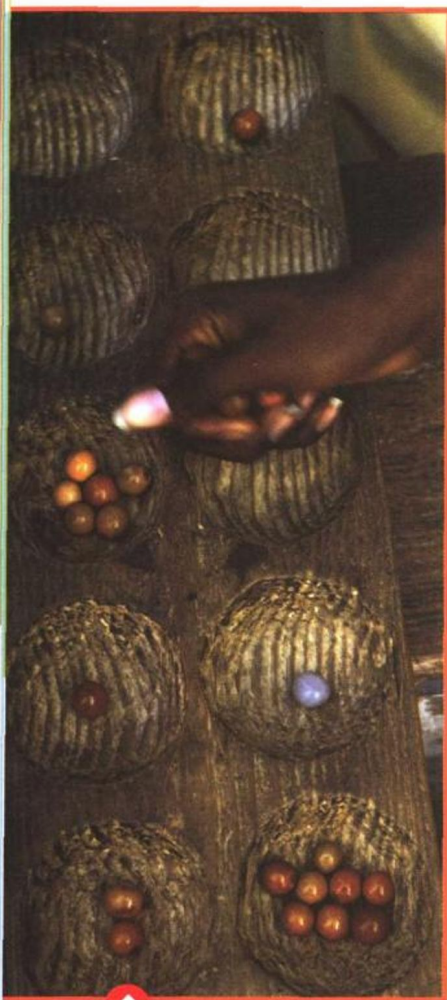
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**How to play:**

Make your own design. Remember that you must use all seven tans in one picture.



## 3 King Shamba's Game



This is a  
traditional  
wari board.

**K**ing Shamba's game, and others like it, have been played since the days of ancient Egypt. Games of this kind—known as mankala games—have turned up in Asia and Africa. Also known as wari, the game reached South America and the West Indies when Africans arrived there.

The origin of King Shamba's game is thought to be in a problem the king faced. His people, who lived along the Congo River in Africa, were always arguing. They argued among themselves, as well as with their neighbors. Finally, no one would trade with them. Realizing that he had to do something, King Shamba invented a game that required following rules, communicating, and reaching agreement. His people loved to play it, and as a result, they became peace-loving.

Congo ['kɒŋɡəʊ] n. 刚果  
turn up 出现

If you can get a traditional wari board, you will be able to play in style.

But you can still enjoy the game with your own homemade board.



## Make Your Own Wari Board

### What you need:

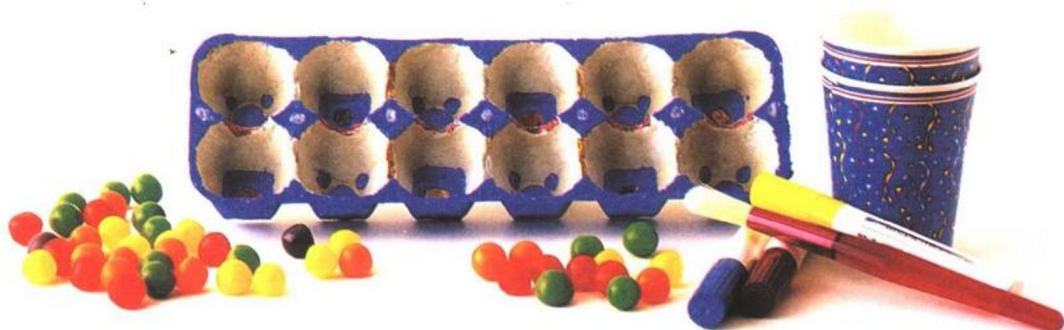
- empty carton from a dozen eggs
- markers or paints (optional)
- two paper cups or small bowls
- 48 small game pieces (beads, dried beans, etc.)

### What to do:

1. Cut off the top of the egg carton, unless you want to store your game pieces in it.
2. Decorate the carton if you wish to.

bead [bi:d,bid] n. 珠子

carton ['ka:tn, 'kɑ:tn] n. 纸板盒

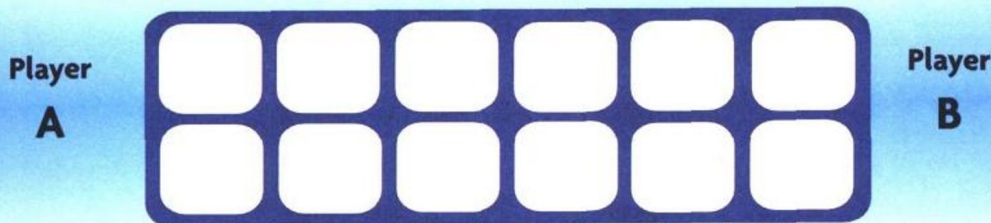


 decorated wari board

## How to Play:

In this version of the game, the goal is to capture more pieces (at least 25) than the other player.

1. The board is placed between Player A and Player B so that a row of 6 holes—called houses—faces each player.



2. The players put 4 game pieces in each of the 12 houses.
3. Each player places a cup to the right of his or her six houses to hold captured pieces.

