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Pocket Puzzles

SOLUTION Hints! BOOKLET

RUBIK'S BRICKS
Nine Unique Bricks...50 Challenging Puzzles!

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Pocket Puzzles

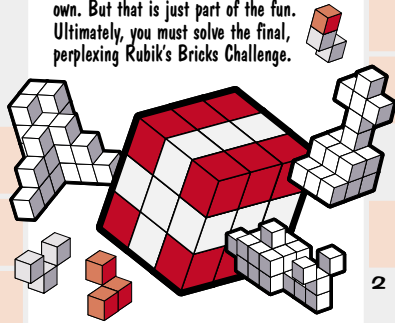
RUBIK'S BRICKS
Nine Unique Bricks...50 Challenging Puzzles!

Solution Hints Booklet

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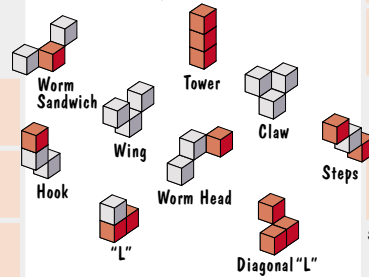
The Bricks Building Puzzle

Bricks brings a unique new challenge to the classic Soma Cube puzzle. With only nine Bricks, but thousands of combinations and forms, this puzzle will sharpen your spatial perception. Start by making the simple forms in this booklet. Next move onto the more advanced structures, then try inventing your own. But that is just part of the fun. Ultimately, you must solve the final, perplexing Rubik's Bricks Challenge.



Meet the Bricks

Each Brick is made of 3 small cubes joined together along an edge or a face. There are only nine different ways this can be done, so each Brick is different. The red and silver combination is used to form the patterned cube in the Bricks Challenge on page 13. Now, get to know each of the nine Bricks. It helps to know the different Bricks by their names. They are:



Simple Forms

To familiarize yourself with the Bricks, try making these simple forms. If you study each form, you will find that there are parts of it that can only be made by using one particular Brick in one particular position. This makes the forms slightly easier to make.

When making any form, follow these steps:

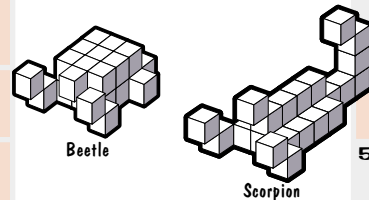
1. Study the form you wish to make and see if there is any part of it that can only be made by using just one particular Brick. This may help to position one or more Bricks to start. For example, in the Scorpion on page 5, the pincers must be the two Worms and the tail must be the Hook and the Tower.
2. Try fitting the most awkward Bricks (the Claw; the Worm Sandwich; the Worm Head) neatly together first.
3. Next try fitting the intermediate Bricks (the Wing, the Steps) around them.

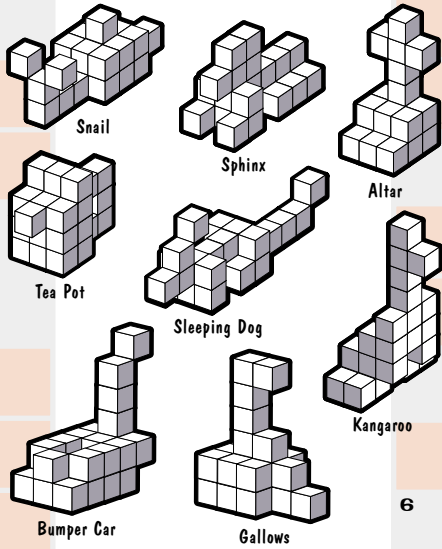
4. Now try completing the form by placing the easy Bricks (the "L", the Diagonal "L", the Hook and the Tower).

5. If the pieces don't seem to fit, try different ways of placing the easy Bricks before removing any of the others. It is surprising how often the form can be completed by a simple rearrangement of the easy Bricks.

6. If they still won't fit, try repositioning one or more of the intermediate Bricks.

7. If you still cannot make the form, rearrange the awkward Bricks and start again.

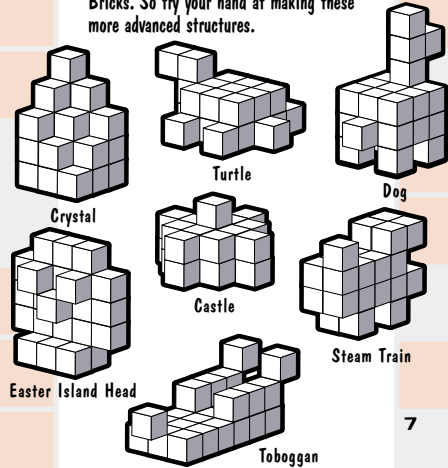




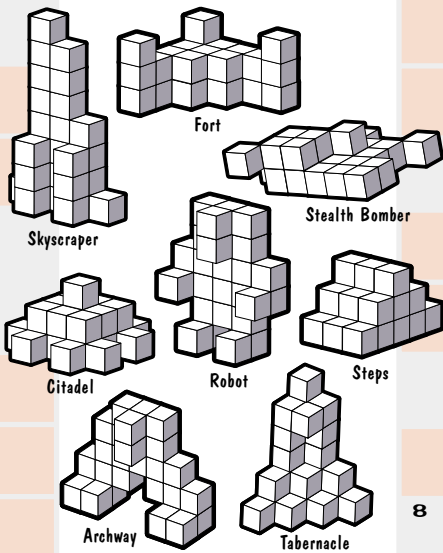
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Advanced Structures

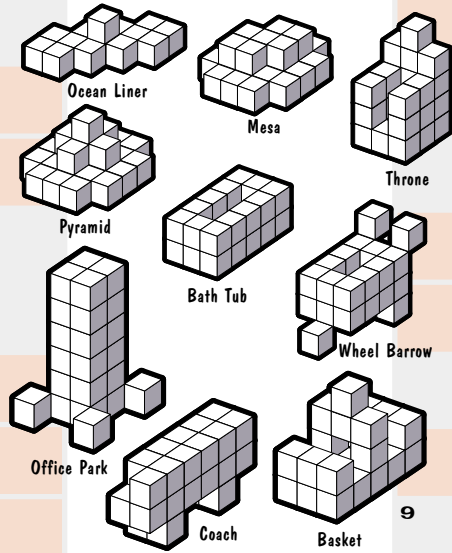
You should now be familiar with the different Bricks. So try your hand at making these more advanced structures.



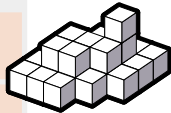
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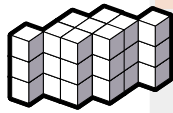
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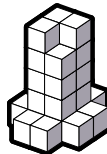
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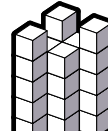
Tugboat



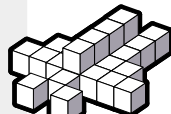
Temple



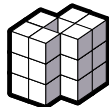
Pedestal



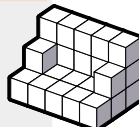
Fortress



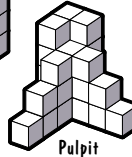
Butterfly



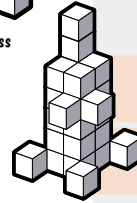
Vase



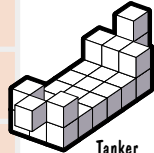
Couch



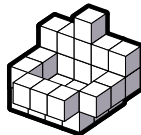
Pulpit



Rocket

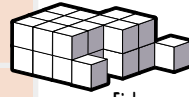


Tanker

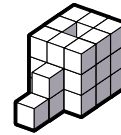


Wash Basin

10

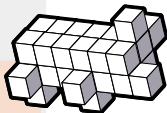


Fish

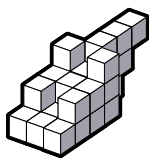


Wishing Well

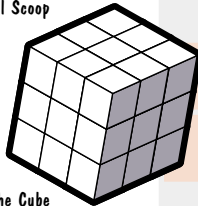
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Pig



Coal Scoop



The Cube

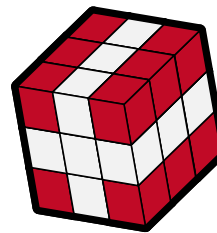
Now try making a 3x3 cube (don't worry about the colors making a pattern at this stage).

Rubik's Bricks Fact: There are 880 different ways of making a cube with the Bricks (not counting rotations and reflections). Once you have mastered making all these objects, you should be very adept at playing with the Bricks. Why not try inventing your own forms before going onto the Bricks Challenge?

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The Bricks Challenge

Although there are 880 ways of making a cube, there are only three ways of building the cube with the exact colored pattern shown here. The Bricks Challenge is to build this patterned cube!



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Hints to Tackle the Challenge

If you count the number of red cubes and silver cubes on the Bricks, you will find there are 13 and 14 respectively.

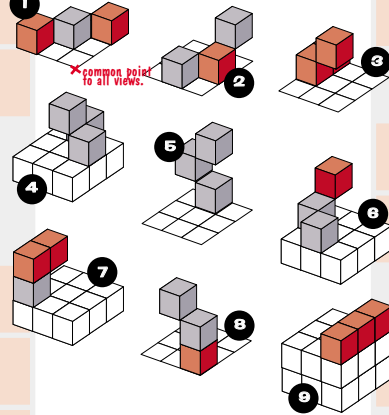
Now count the red and silver cubes that are on the six outside faces in the pattern of the Challenge. You cannot see the central cube but you should be able to work out what color it must be. Remember the steps in the Simple Forms section, especially step 1. Since you know the color of the central cube, there is only one Brick that can possibly occupy that space. You should now find that there are only one or two possible positions for some of the other Bricks. Now continue by following the previous steps.

If you have tried but are not able to solve the Bricks Challenge, refer to the next page for a diagram of one of the solutions.

Happy playing!

The Bricks Challenge Solution

One of the three solutions is shown here.



14

Now see if you can find the other two ways of making the patterned cube!

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