



B R A I N F I T N E S S
C R O S S T R A I N Y O U R B R A I N

Instructions
and
Solutions

SHELL GAME™

Classic Memory Game with a Clever Twist!



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Classic Memory Game with a Clever Twist!

ThinkFun's Brain Fitness games are designed as a fun way to help you exercise your brain. The 60 challenges will stretch your mental muscles, strengthening speed, focus, and memory. We recommend that you start with the beginner level and work through the challenges progressively. Just 15 minutes of play a day will reduce stress and provide a good brain workout. You're on your way to a healthier brain!

You may be familiar with the classic shell game where the "shuffler" tries to trick his or her spectators into thinking an object is hiding under one "shell" or "cup" rather than another. In most instances, no matter how hard you focus, getting the right answer seems to be a gamble. In our twist on this classic, the goal is not to deceive, but rather to improve your memory and logic skills so that you can win. To your spectators, getting a correct solution may seem like luck, but you'll smile knowing that it's a good dose of brain power!

INCLUDES:

- 6 Sea Shells
- 6 Hermit Crabs
- 3 Ocean Stones
- 60 Challenges (beginner to expert)

OBJECT:

Get your Hermit Crabs from the **START** position to the **END** position by using memory and logic!

SETUP:

1. Select a challenge.

2. Set up the Crabs and Stones on the challenge card to match the **START** position. Place a Stone on any gray position that doesn't have a letter.



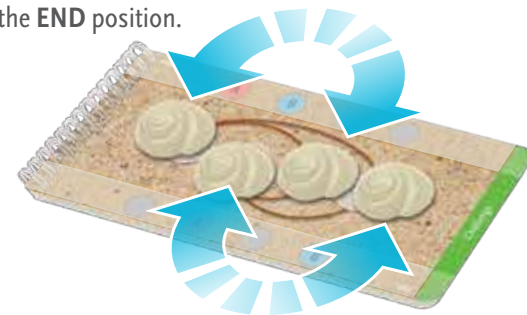
Note: The Stones are place holders to keep you honest—we weren't going to make it easier for you by leaving some shells empty!

3. Cover each Crab and Stone with a Sea Shell.



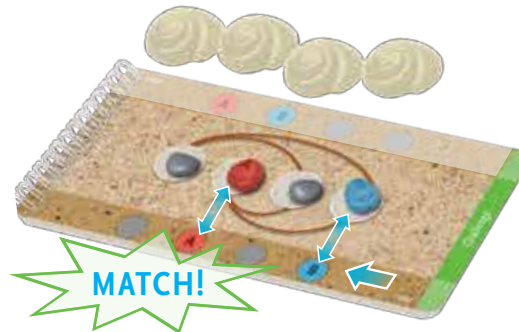
STEPS TO PLAY:

1. Swap the Shells (two at a time) from position to position along the printed arcs to get the Crabs to the **END** position.



2. Continue swapping until you believe the Crabs are in the correct order.

3. When you think you've got it, lift up the Shells. If the Crabs match the **END** position – **YOU WIN!**



SHELL-SWAPPING RULES:

1. You can only swap Shells along the printed arcs.



2. Don't lift the Shells to peek underneath unless you think you've solved the challenge. **Note:** For young kids and beginners, we allow one peek per challenge!

IF YOU'RE STUCK OR FEELING CRABBY:

Reset the challenge and give it another go or look at the Solutions starting on **page 4**.

ABOUT THE INVENTORS:

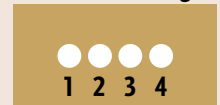
This game was created by Ariel Laden and Inon Kohn, both professional puzzle and game inventors with a real passion for logic puzzles. Over the last decade, they have enjoyed collaboration on a number of games and have recently taken on the challenge of combining memory with a logic puzzle. The result is Shell Game™!

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|----------------------------|----------------------------|--|---|--|--------------------------------------|--|---|---|--|---|---|--|--------------------------------------|
| 1. 1 ↔ 2 2 ↔ 3 3 ↔ 4 | 4. 2 ↔ 4 1 ↔ 4 1 ↔ 3 | 6. 1 ↔ 2 2 ↔ 3 3 ↔ 4 2 ↔ 3 | 8. 1 ↔ 2 2 ↔ 3 3 ↔ 4 2 ↔ 3 | 11. 2 ↔ 4 1 ↔ 3 2 ↔ 3 1 ↔ 3 | 13. 2 ↔ 4 1 ↔ 3 1 ↔ 2 3 ↔ 4 | 15. 1 ↔ 2 1 ↔ 4 3 ↔ 4 1 ↔ 4 1 ↔ 2 1 ↔ 4 | 16. 1 ↔ 4 1 ↔ 3 2 ↔ 5 2 ↔ 3 | 18. 2 ↔ 4 4 ↔ 5 1 ↔ 3 3 ↔ 5 | 20. 3 ↔ 4 1 ↔ 4 1 ↔ 2 2 ↔ 5 3 ↔ 4 1 ↔ 4 | 22. 2 ↔ 3 1 ↔ 3 3 ↔ 5 3 ↔ 4 2 ↔ 3 | 24. 1 ↔ 3 1 ↔ 4 3 ↔ 5 2 ↔ 3 1 ↔ 3 | 26. 1 ↔ 3 3 ↔ 5 2 ↔ 3 2 ↔ 4 2 ↔ 3 1 ↔ 3 | 28. 1 ↔ 2 2 ↔ 5 1 ↔ 4 1 ↔ 2 |
| 2. 3 ↔ 4 2 ↔ 4 1 ↔ 2 | 5. 2 ↔ 3 3 ↔ 4 1 ↔ 3 | 7. 2 ↔ 3 1 ↔ 2 1 ↔ 4 1 ↔ 2 2 ↔ 3 | 9. 1 ↔ 4 1 ↔ 3 2 ↔ 4 3 ↔ 4 1 ↔ 2 1 ↔ 4 | 12. 1 ↔ 2 1 ↔ 4 3 ↔ 4 2 ↔ 4 1 ↔ 2 1 ↔ 4 | 14. 1 ↔ 3 2 ↔ 3 2 ↔ 4 2 ↔ 3 | 17. 1 ↔ 3 3 ↔ 4 3 ↔ 5 2 ↔ 3 1 ↔ 3 | 19. 3 ↔ 5 1 ↔ 3 1 ↔ 4 3 ↔ 5 2 ↔ 5 | 21. 2 ↔ 3 3 ↔ 4 4 ↔ 5 2 ↔ 3 1 ↔ 2 | 23. 2 ↔ 3 1 ↔ 3 2 ↔ 4 2 ↔ 3 | 25. 2 ↔ 4 3 ↔ 4 4 ↔ 5 1 ↔ 5 3 ↔ 4 | 27. 1 ↔ 2 2 ↔ 3 3 ↔ 4 4 ↔ 5 3 ↔ 4 1 ↔ 2 2 ↔ 3 | 29. 4 ↔ 5 2 ↔ 4 2 ↔ 3 1 ↔ 5 | 30. 2 ↔ 4 4 ↔ 5 3 ↔ 5 4 ↔ 5 |

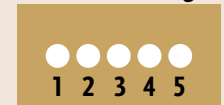
3-Shell Challenges



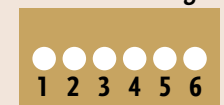
4-Shell Challenges



5-Shell Challenges



6-Shell Challenges



Solutions Key

Solutions Key

3-Shell Challenges



4-Shell Challenges



5-Shell Challenges



6-Shell Challenges



31. 3 ↔ 4
2 ↔ 4
1 ↔ 4
3 ↔ 4
32. 1 ↔ 4
3 ↔ 4
2 ↔ 4
2 ↔ 5
2 ↔ 4
1 ↔ 4
33. 3 ↔ 5
4 ↔ 5
1 ↔ 2
1 ↔ 5
34. 3 ↔ 5
1 ↔ 3
3 ↔ 4
3 ↔ 5
2 ↔ 5
35. 4 ↔ 5
3 ↔ 5
4 ↔ 5
1 ↔ 4
4 ↔ 5
2 ↔ 5
36. 4 ↔ 5
1 ↔ 4
4 ↔ 5
3 ↔ 5
4 ↔ 5
2 ↔ 4
4 ↔ 5
37. 4 ↔ 5
3 ↔ 4
2 ↔ 3
1 ↔ 2
4 ↔ 5
5 ↔ 6
4 ↔ 5
38. 1 ↔ 4
3 ↔ 4
2 ↔ 4
2 ↔ 5
1 ↔ 2
4 ↔ 5
2 ↔ 4
4 ↔ 5
1 ↔ 3
3 ↔ 4
39. 2 ↔ 4
2 ↔ 3
1 ↔ 2
3 ↔ 5
2 ↔ 3
2 ↔ 4
40. 1 ↔ 4
4 ↔ 5
2 ↔ 5
3 ↔ 4
4 ↔ 5
1 ↔ 3
3 ↔ 4
41. 1 ↔ 4
1 ↔ 3
2 ↔ 3
2 ↔ 5
1 ↔ 4
1 ↔ 3
2 ↔ 3
42. 2 ↔ 3
1 ↔ 2
2 ↔ 5
4 ↔ 5
3 ↔ 5
3 ↔ 6
2 ↔ 3
43. 1 ↔ 4
4 ↔ 5
3 ↔ 6
2 ↔ 3
3 ↔ 6
1 ↔ 4
1 ↔ 2
44. 4 ↔ 6
3 ↔ 4
2 ↔ 4
3 ↔ 5
3 ↔ 4
1 ↔ 3
2 ↔ 3
2 ↔ 4
1 ↔ 4
1 ↔ 5
2 ↔ 4
2 ↔ 3
2 ↔ 4
1 ↔ 4
45. 2 ↔ 3
2 ↔ 4
1 ↔ 4
1 ↔ 5
2 ↔ 4
2 ↔ 3
2 ↔ 4
1 ↔ 4
46. 2 ↔ 3
1 ↔ 2
1 ↔ 4
1 ↔ 2
2 ↔ 5
2 ↔ 3
3 ↔ 6
1 ↔ 2
2 ↔ 3
1 ↔ 2
47. 2 ↔ 5
2 ↔ 3
5 ↔ 6
2 ↔ 5
1 ↔ 2
4 ↔ 5
2 ↔ 5
5 ↔ 6
2 ↔ 3
48. 4 ↔ 6
3 ↔ 4
4 ↔ 5
2 ↔ 5
4 ↔ 5
3 ↔ 4
1 ↔ 3
4 ↔ 5
3 ↔ 4
49. 2 ↔ 4
4 ↔ 5
5 ↔ 6
3 ↔ 5
2 ↔ 3
1 ↔ 2
2 ↔ 4
1 ↔ 2
50. 3 ↔ 5
2 ↔ 3
2 ↔ 4
5 ↔ 6
2 ↔ 5
1 ↔ 2
2 ↔ 5
1 ↔ 2
4 ↔ 5
1 ↔ 2
51. 2 ↔ 5
1 ↔ 2
4 ↔ 5
2 ↔ 5
1 ↔ 2
1 ↔ 3
1 ↔ 6
1 ↔ 2
52. 1 ↔ 5
2 ↔ 5
4 ↔ 5
2 ↔ 5
2 ↔ 6
2 ↔ 3
2 ↔ 5
1 ↔ 5
53. 1 ↔ 4
1 ↔ 2
1 ↔ 3
3 ↔ 6
5 ↔ 6
4 ↔ 6
54. 2 ↔ 6
4 ↔ 6
1 ↔ 3
3 ↔ 6
3 ↔ 5
1 ↔ 3
1 ↔ 2
1 ↔ 3
55. 1 ↔ 3
1 ↔ 4
3 ↔ 5
2 ↔ 5
2 ↔ 6
3 ↔ 5
2 ↔ 5
1 ↔ 3
56. 2 ↔ 5
1 ↔ 6
4 ↔ 6
3 ↔ 4
1 ↔ 6
4 ↔ 6
1 ↔ 2
1 ↔ 6
1 ↔ 2
57. 2 ↔ 5
4 ↔ 5
1 ↔ 6
2 ↔ 6
2 ↔ 5
3 ↔ 5
2 ↔ 5
2 ↔ 6
1 ↔ 6
2 ↔ 6
2 ↔ 5
58. 2 ↔ 6
2 ↔ 5
3 ↔ 5
2 ↔ 6
1 ↔ 6
1 ↔ 4
2 ↔ 6
2 ↔ 5
1 ↔ 6
2 ↔ 6
59. 1 ↔ 3
3 ↔ 4
4 ↔ 6
3 ↔ 4
1 ↔ 3
2 ↔ 4
3 ↔ 4
3 ↔ 5
2 ↔ 4
3 ↔ 4
60. 3 ↔ 6
1 ↔ 3
1 ↔ 4
4 ↔ 5
2 ↔ 5
3 ↔ 6
1 ↔ 3
1 ↔ 4
3 ↔ 6
1 ↔ 3

3-Shell Challenges



4-Shell Challenges



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6-Shell Challenges



Solutions Key

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ThinkFun's Mission is to Ignite Your Mind!®

ThinkFun® is the world's leader in addictively fun games that stretch and sharpen your mind. From lighting up young minds to creating fun for the whole family, ThinkFun's innovative games and mobile apps make you think while they make you smile.



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