

LOGICAL GAMES

THE AGRICULTURAL COLLEGE "DIMITRIE CANTEMIR" HUSI, ROMANIA

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Learning, teaching and training activities

C3

22-26.09.2018

BULGARIA



**COLEGIUL AGRICOL „DIMITRIE CANTEMIR”
HUȘI-ROMANIA**



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PAUL

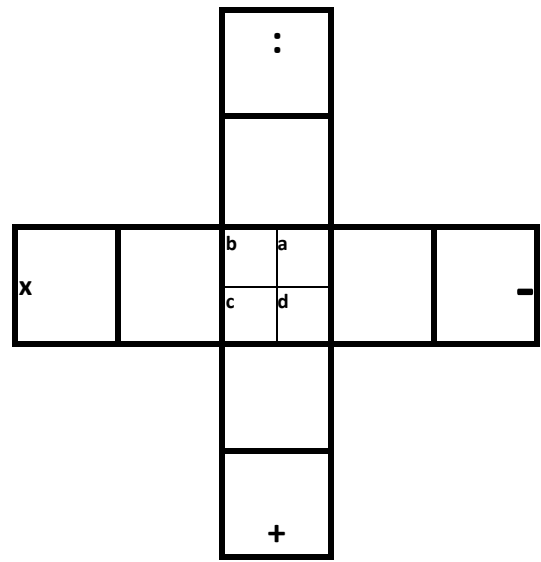
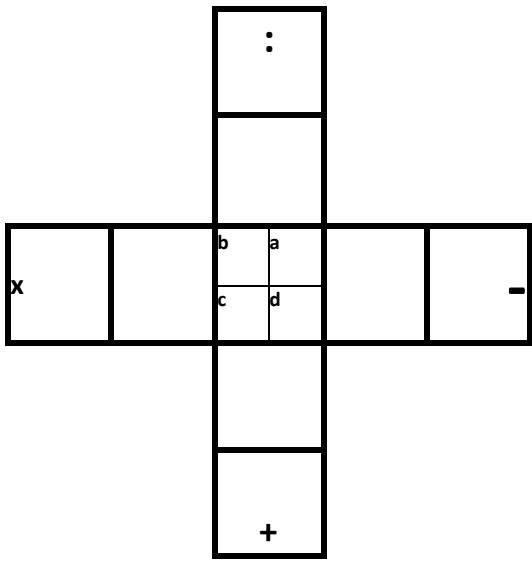
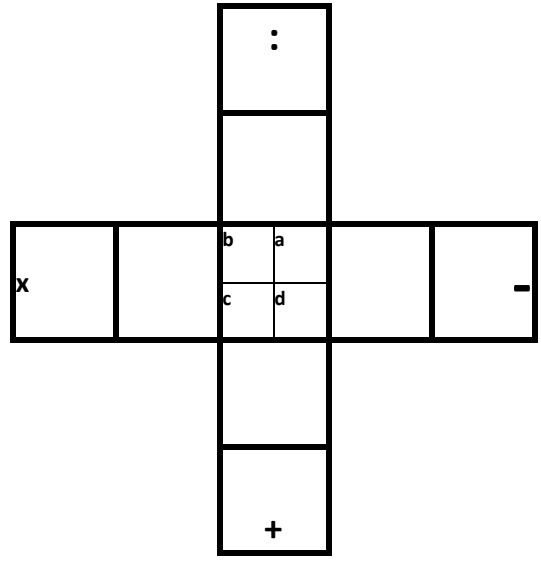
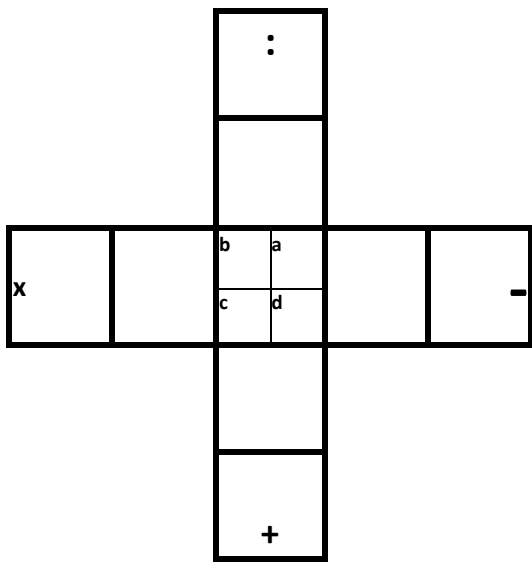
IULIANA



GEORGE



ROBERT



RULES

Paul's game

$$a+b+c+d=30$$

1. Complete the first two quadrants with 2 numbers that must divide exactly
2. Add the digits of the number you get by dividing up to a single digit and write it in the quadrant **a**
3. Fill the next two quadrants with numbers that you need to multiply
4. Add the digits of the number obtained by multiplying until you reach a single digit that you write in the quadrant **b**
5. Fill in the next two quadrants with numbers that you need to collect
6. Add the numbers of the number you get by adding up to one digit that you write in the quadrant **c**
7. Fill the next two quadrants with numbers that need to subtract
8. Add the numbers you get by adding until you reach the one digit you write in the quadrant **d**
9. **If $a + b + c + d = 30$ then we invite you to look for the way to *Iuliana's Games!***

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RULES

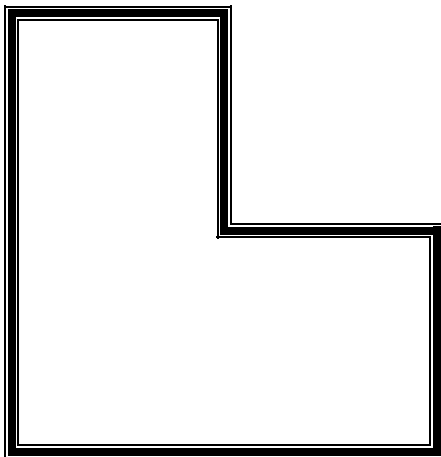
IULIANA'S Game

800 years ago, in India, a very rich rajah wanted that one of the gates of a temple to have a gold foundation. The shape of the gate can be seen in the figure below. It is a square that is missing a quarter!

The Rajah called 4 teams of workers and assigned each a part of the surface. In order to avoid any discontent, the rajah shared the place in 4 parts not only equal as a surface but also as a form!

How did he succeed?

If you've discovered, go to George's game!



RULES

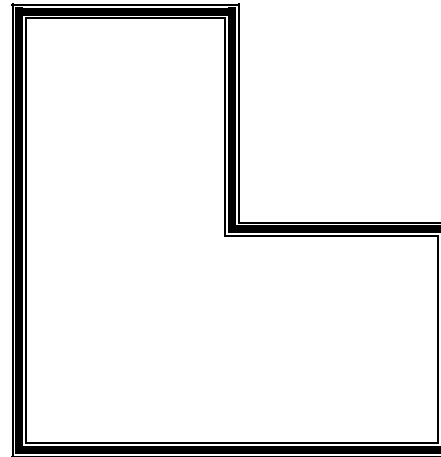
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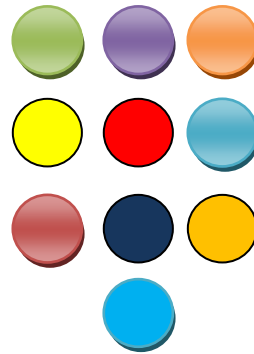
George's game

Today we will play, a little, with circles too!

You got 10 circles in the envelope. Now, please place them on **5** rows, so each row has **4** circles.

Come on, it's not hard!

Have you succeeded? Now, head to Robert's game!



RULES

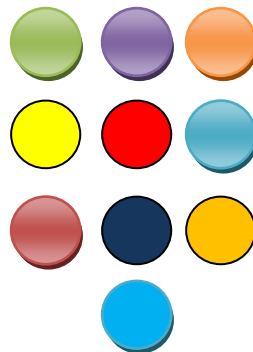
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20	5	16 4 22		
7	18	12 25		26
14	23	8	17	13
10	6 _(six)	21	19	28
27	15	9 _(nine)	24	11

RULES

Robert's Game

In the adjacent square there are 25 numbers. The square is divided into 10 fragments that you need to cut.

Try to form another square, using all 10 fragments, so that the sum of the numbers on each row, column, or diagonal is **80**.

And if your square is magic now, it means you've won!

Congratulations!

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