Canguro Matemático Costarricense



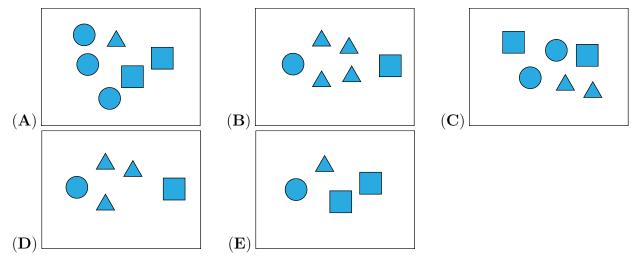
PreEcolier Test First grade

"Welcome to the wonderful world of mathematics"

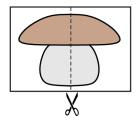
Name of the student:	
Name of the institution:	

Kangourou Sans Frontières Costa Rica 2022 3 points

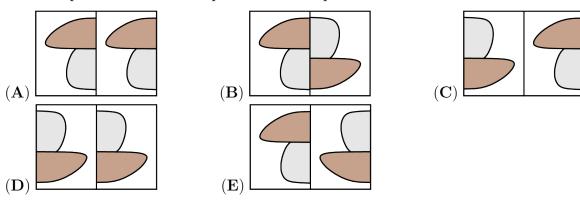
1. Which box contains the most triangles?



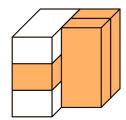
2. Arek cuts this picture in half and puts the two pieces together.



Which option shows the two pieces of Arek's picture?



3. The picture shows 5 identical bricks.



How many bricks are touching exactly 3 other bricks?

(**A**) 1

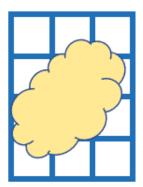
 $(\mathbf{B}) 2$

 (\mathbf{C}) 3

 (\mathbf{D}) 4

 (\mathbf{E}) 5

4. Some ink spilled onto a piece of graph paper, as shown in the picture.



How many of the squares have ink?

 $(\mathbf{A}) 4$

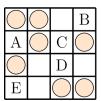
 (\mathbf{B}) 6

(C) 8

(**D**) 10

- (E) 12
- 4 points

5. There has to be 2 coins in each row and each column.



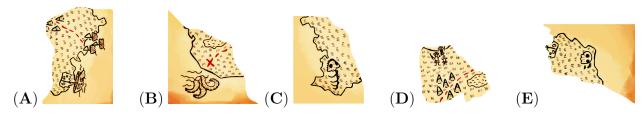
Where do you need to put the final coin?

- $(\mathbf{A}) A$
- **(B)** B
- (**C**) C
- (\mathbf{D}) D
- $(\mathbf{E}) \to$

6. A monkey has torn a piece from Captain Jack's map.



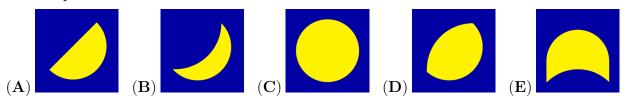
Which is the missing piece?



7. Peter puts the 4 puzzle pieces shown together to make a square.



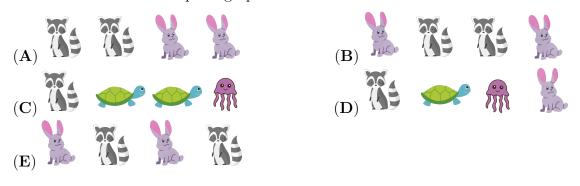
Which picture can he make?



8. Alina has a picture with 4 animals on it. Each animal covered it with a figure. Different animals are covered by different shapes, and the same animals are covered by the same shape.

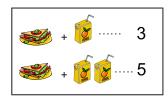


Which could be Alina's photograph?



5 points

9. A sandwich and a juice together cost 3 coins. A sandwich and two juices together cost 5 coins.



How many coins does a juice cost?

- $(\mathbf{A}) 1$
- **(B)** 2
- (\mathbf{C}) 3
- (**D**) 4
- (\mathbf{E}) 5

10. One animal sleeps in each of the baskets. The koala and the fox are sleeping in baskets with the same pattern and shape.







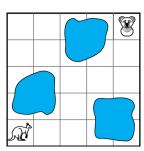




The kangaroo and the ostrich have the same pattern on their baskets. Which basket is the puppy sleeping in?

- (A) basket 1
- (B) basket 2
- (C) basket 3
- (**D**) basket 4
- (E) basket 5

11. Kanga the kangaroo wants to get to the koala without going through any of the colored squares.



Which route could you take?









$$(D) \longrightarrow \uparrow \uparrow \rightarrow \uparrow \uparrow$$

12. In one of the pictures below, a shape is used that cannot be seen in the others. In which picture is it?

