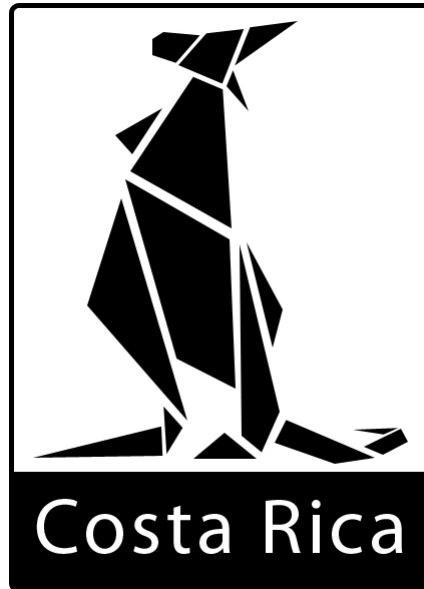# Canguro Matemático Costarricense

PreEcolier Test
First grade
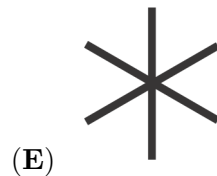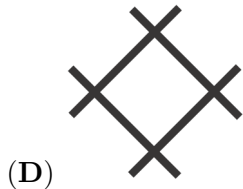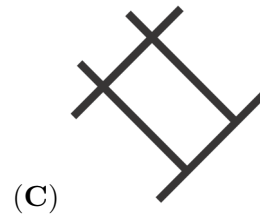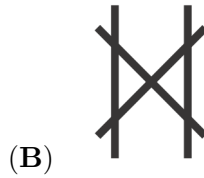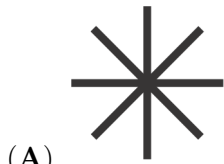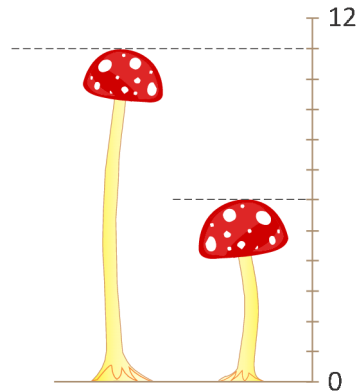
Student name:

Name of the school:

Kangourou Sans Frontières
Costa Rica 2021

3 points

 # 1. A kangaroo laid out 3 sticks like this ▬▬ to make a shape. It's not allowed to break or to bend the sticks. Which shape could the kangaroo make?

(**A**)

(**B**)

(**C**)

(**D**)

(**E**)

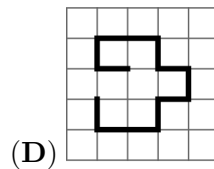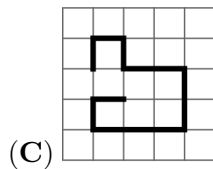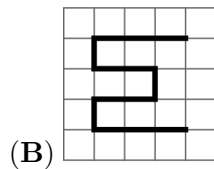**# 2.** The picture shows 2 mushrooms.

What is the difference between their heights?

(**A**) 4　　　　(**B**) 5　　　　(**C**) 6　　　　(**D**) 11　　　　(**E**) 17

 # 3. Which of the paths shown in the pictures is the longest?

(**A**)　　(**B**)　　(**C**)　　(**D**)　　(**E**)
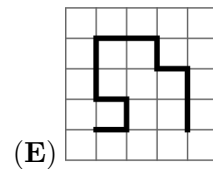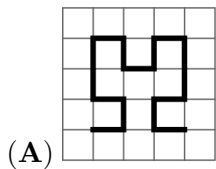
 # 4. Four identical pieces of paper are placed as shown. Michael wants to punch a hole that goes through all four pieces.
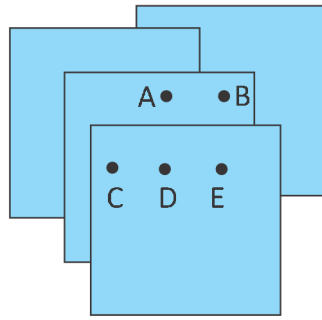
At which point should Michael punch the hole?

(**A**) A   (**B**) B   (**C**) C   (**D**) D   (**E**) E

4 points

 # 5. Erik has 4 bricks:
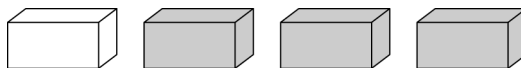
Which of the cubes shown below can he make with his 4 bricks?

(**A**)   (**B**)   (**C**)   (**D**)   (**E**)
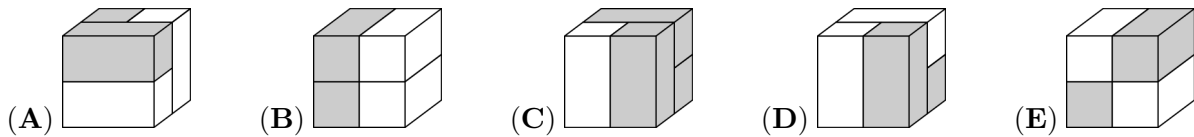
 # 6. These children are standing in a line. Some are facing forwards and others are facing backwards.
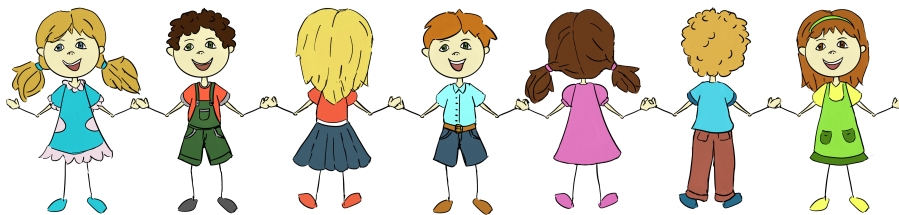
How many children are holding another child's hand with their right hand?

(**A**) 2   (**B**) 3   (**C**) 4   (**D**) 5   (**E**) 6

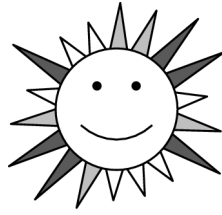# 7. Alaya draws a picture of the sun.

Which of the following answers is part of her picture?

(**A**)　　　(**B**)　　　(**C**)　　　(**D**)　　　(**E**)

8. Edmund cut a ribbon as shown in the picture.
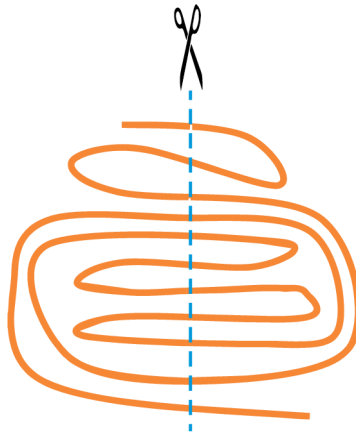
How many pieces of the ribbon did he finish with?

(**A**) 9　　　(**B**) 10　　　(**C**) 11　　　(**D**) 12　　　(**E**) 13

5 points

9. In the Kangaroo constellation, all stars have a number greater than 3 and their sum is 20. Which is the Kangaroo constellation?

(**A**)　　　(**B**)　　　(**C**)　　　(**D**)　　　(**E**)

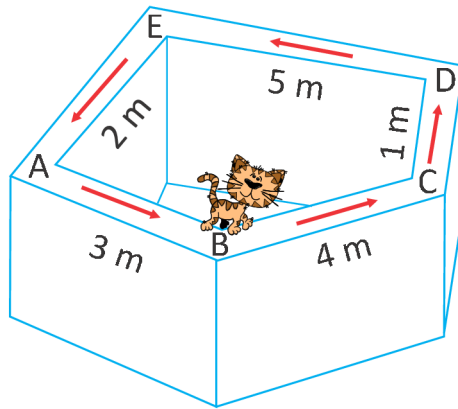**# 10.** Rose the cat walks along the wall. She starts at point B and follows the direction of the arrows shown in the picture. The cat walks a total of 12 metres.

Where does she end up?

(**A**) A (**B**) B (**C**) C (**D**) D (**E**) E

 # 11. Julia has two pots with flowers, as shown. She keeps the flowers exactly where they are.
    She buys more flowers and puts them in the pots. After that each pot has the same number of each type of flower.

What is the smallest number of flowers she needs to buy?

(**A**) 2 (**B**) 4 (**C**) 6 (**D**) 8 (**E**) 10

 # 12. Five boys competed in a shooting challenge. Ricky scored the most points. Which target was Ricky's?

(**A**) (**B**) (**C**) (**D**) (**E**)