

# Canguro Matemático



## PreEcolier Test Second grade

Name: \_\_\_\_\_

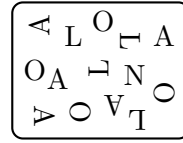
Institution: \_\_\_\_\_ Grade: \_\_\_\_\_

Kangourou Sans Frontières

Costa Rica 2016

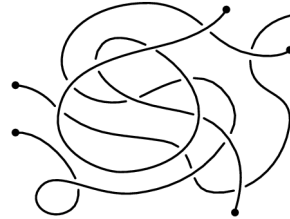
3 points

1. Which letter on the board is not in the word "KOALA"?



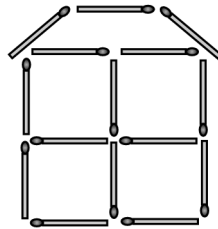
- (A) R                      (B) L                      (C) K                      (D) N                      (E) O

2. How many ropes are there in the picture?



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

3. Michael built a house with matches as in the picture. How many matches did he use?

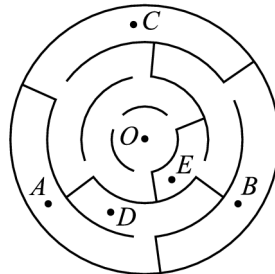


- (A) 19                      (B) 18                      (C) 17                      (D) 15                      (E) 13

4. In a cave, there were only two seahorses, one starfish and three turtles. Later, five seahorses, three starfish and four turtles joined them. How many sea animals gathered in the cave?

- (A) 6                      (B) 9                      (C) 12                      (D) 15                      (E) 18

5. Which point of the labyrinth can we reach starting from the point O?



- (A) A                      (B) B                      (C) C                      (D) D                      (E) E

6. Ten friends came to John’s birthday party, six of them were girls. How many boys were there?

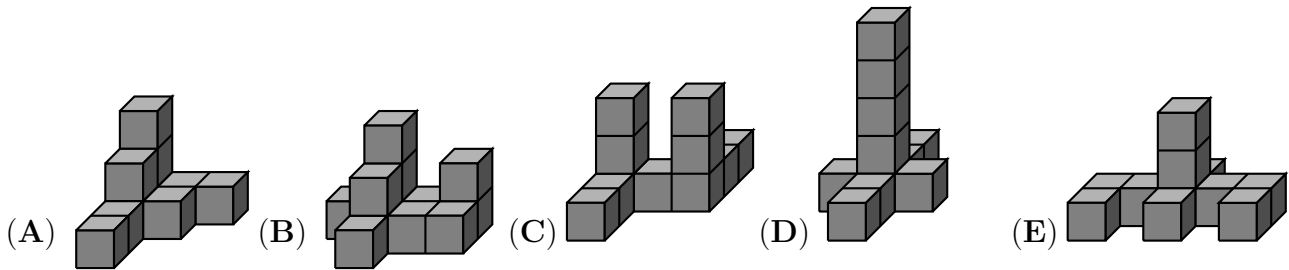
- (A) 4 (B) 5 (C) 6 (D) 7 (E) 8

7. Matt had to deliver flyers about recycling to all houses numbered from 25 to 37. How many houses got the flyers?

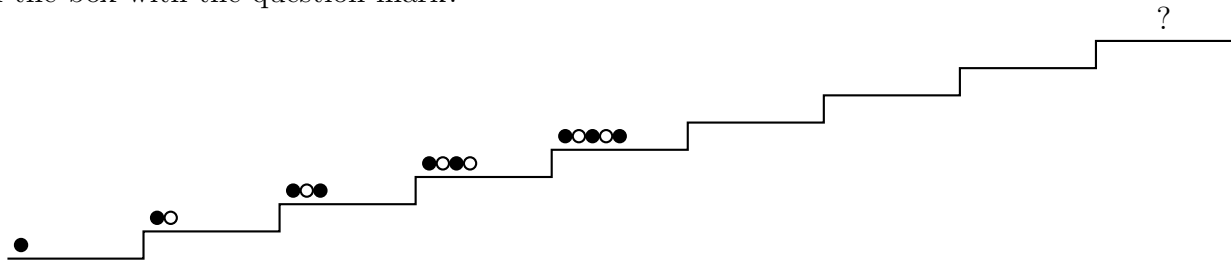
- (A) 11 (B) 12 (C) 13 (D) 14 (E) 15

4 points

8. Which shape can we make with 10 cubes?

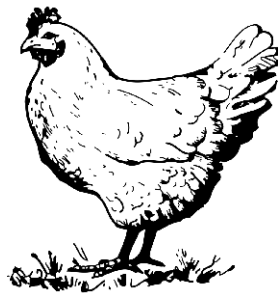
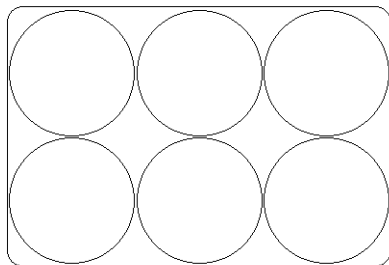


9. Sophie arranges balls in boxes in a certain way as in the picture. How will the balls appear in the box with the question mark?



- (A) ●●●●●● (B) ○●●●●● (C) ●●●●○○●● (D) ●●○○●●●● (E) ●●●●●●○○

10. Agatha, the hen, lays white and brown eggs. Lisa puts six eggs in the box below. Two brown eggs cannot touch each other. At most, how many brown eggs can Lisa put in the box?



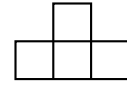
- (A) 1 (B) 2 (C) 3 (D) 4 (E) 5



16. The sum of John's and Paul's age is equal to 12. What will be sum of their ages in 4 years?

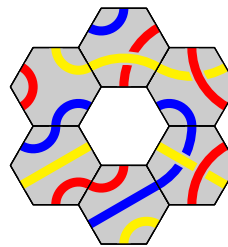
- (A) 16                      (B) 17                      (C) 18                      (D) 19                      (E) 20

17. Which of the following pictures cannot be made by using figures like



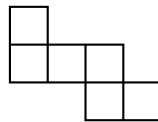
- (A) (B) (C) (D) (E)

18. Which tile matches the pattern in the picture?



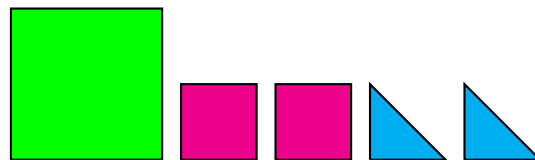
- (A) (B) (C) (D) (E)

19. Amy used six equal small squares to build the figure. What is the least number of equal small squares she should add to the picture in order to obtain a larger square?



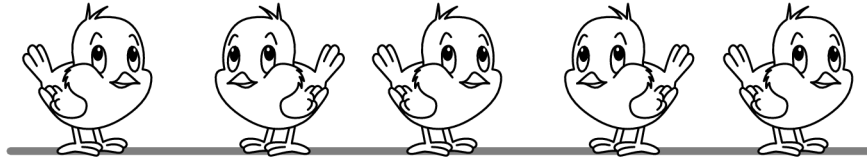
- (A) 6                      (B) 8                      (C) 9                      (D) 10                      (E) 12

20. Which pattern can we make using all five cards given below?



- (A) (B) (C) (D) (E)

**21.** Five sparrows sat on a wire as shown in the picture. Some of them looked to their left, others looked to their right. Each sparrow chirped only once to each bird it saw on its side. For example, third sparrow chirped two times. In total, how many times did they chirp?



(A) 6

(B) 8

(C) 9

(D) 10

(E) 12