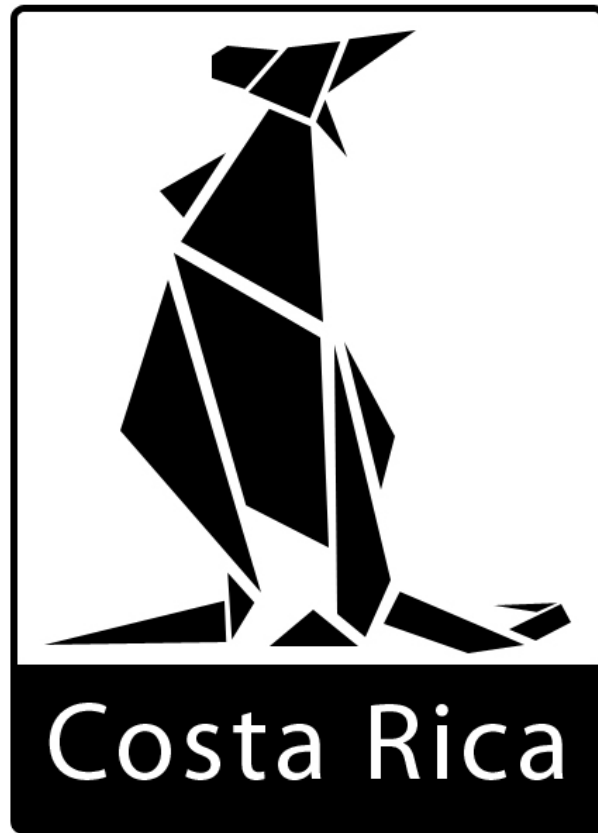


# Kangourou Sans Frontières

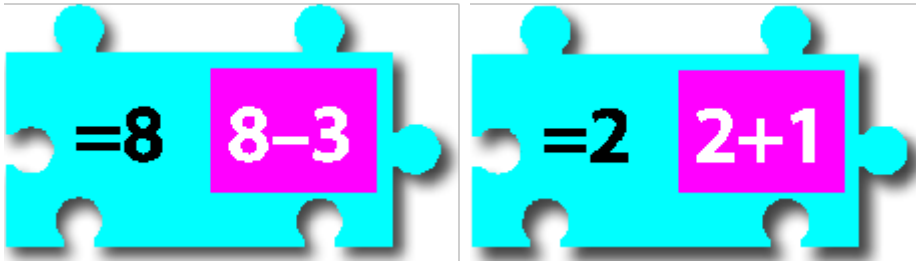


**Ecolier Test**  
Third Grade

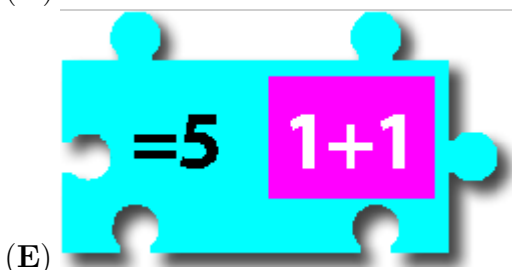
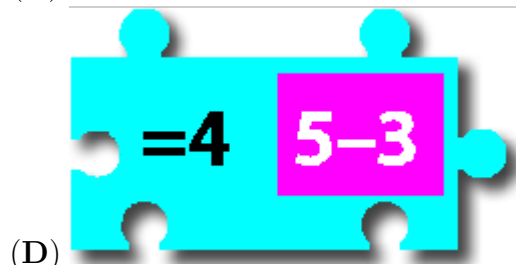
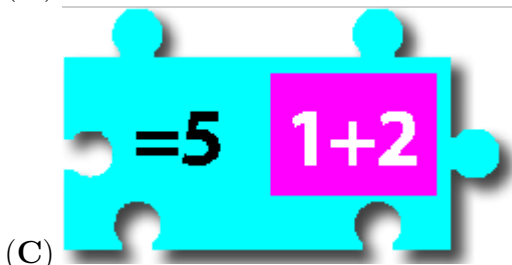
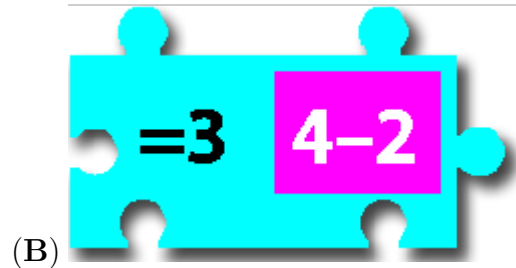
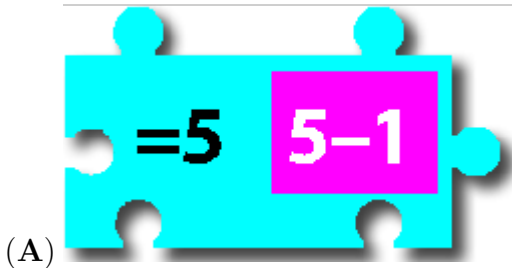
Name: \_\_\_\_\_

Costa Rica 2017

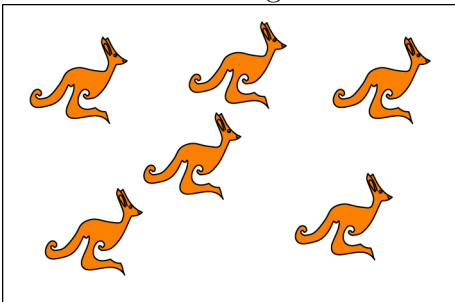
3 points



1. Which of the pieces A - E will fit between the above two pieces so the two equalities are fulfilled?



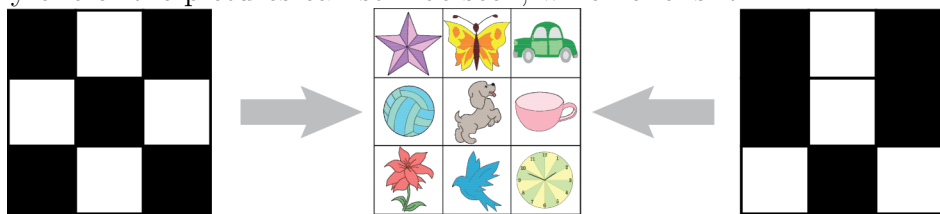
2. If John looks through the window he can see half of the kangaroos in the park.



How many kangaroos are there in the park?

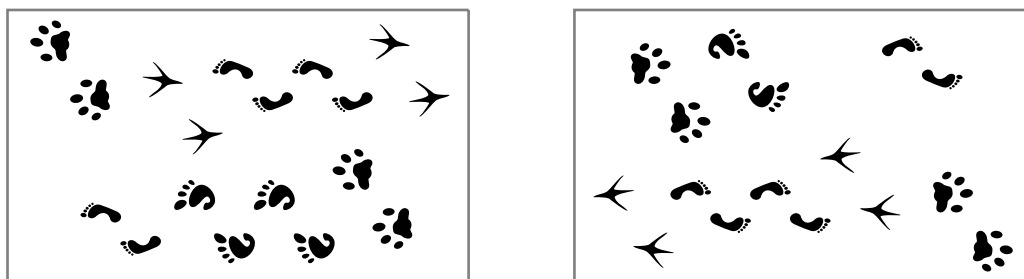
- (A) 12                      (B) 14                      (C) 16                      (D) 18                      (E) 20

3. Two gridded transparent sheets are darkened in some squares, as shown. They are both slid on top of the board shown in the middle. Then the pictures behind the darkened squares cannot be seen. Only one of the pictures can still be seen, which one is it?



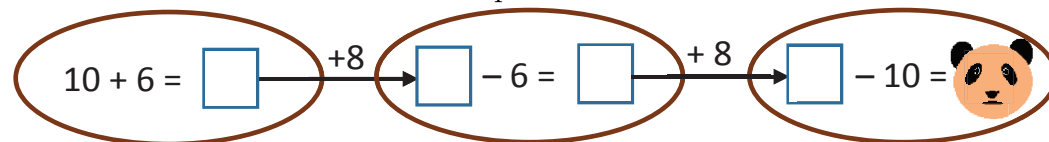
- (A) (B) (C) (D) (E)

4. A picture of footprints was turned upside down. Which footprints are missing?



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

5. What number is hidden behind the panda?



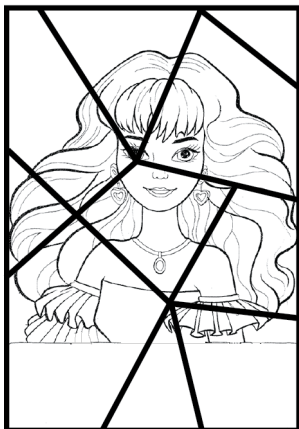
- (A) 16 (B) 18 (C) 20 (D) 24 (E) 28

6. If the table of the figure, which has been partially covered by a spot of ink, must show correct sums, what number should go to the box with the question mark?

	11	7	2
6	17	13	8
	?		10

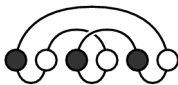
- (A) 10 (B) 11 (C) 12 (D) 13 (E) 15




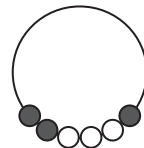
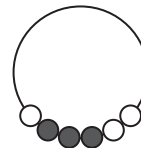
7. Dolly accidentally hit the mirror. The mirror is broken into pieces. How many pieces have exactly



four sides?

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

8. In the figure on the right we see a necklace of six beads.  Which one is the same necklace?

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

4 points

9.  $\bullet + \bullet + \bullet + \bullet + \blacksquare = \blacksquare + \blacksquare + \blacksquare$

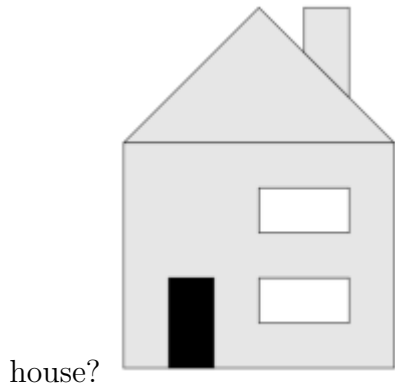
Which one is true?

- (A)  $\bullet = \blacksquare$                       (B)  $\bullet + \bullet + \bullet = \blacksquare$                       (C)  $\blacksquare + \blacksquare + \blacksquare = \bullet$   
 (D)  $\blacksquare + \blacksquare = \bullet$                       (E)  $\bullet + \bullet = \blacksquare$

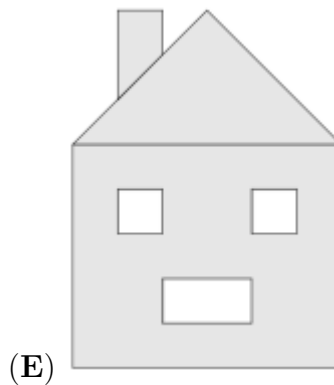
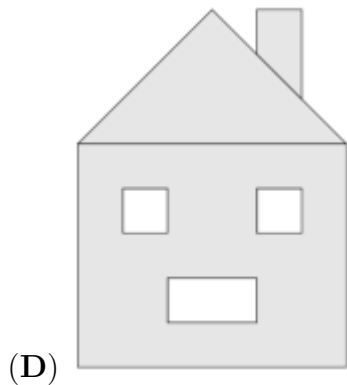
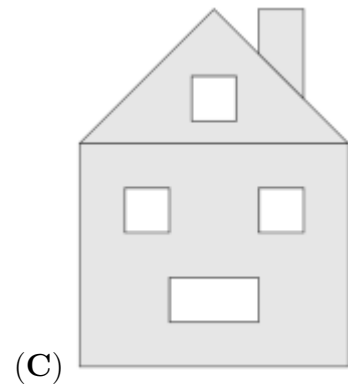
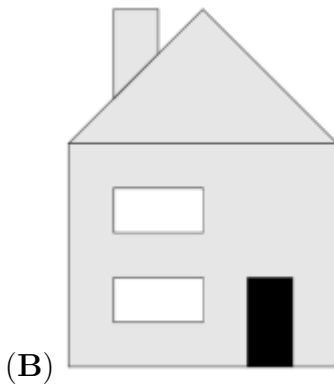
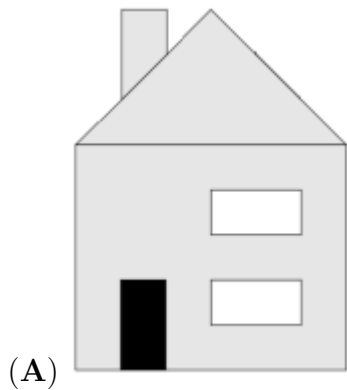
10. Balloons are sold in packets of 5, 10 and 25. Marius buys exactly 70 balloons. What is the smallest number of packets he could buy?

- (A) 3                      (B) 4                      (C) 5                      (D) 6                      (E) 7

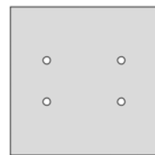
11. The picture shows the view Ann sees when she looks at the front of her house. The rear of her house has three windows and no door. What view does Ann see when she looks at the rear of her house?



house?

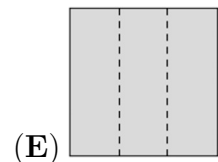
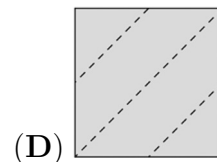
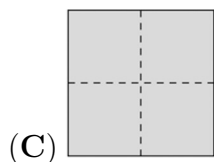
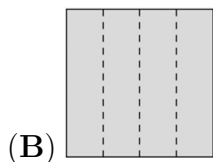
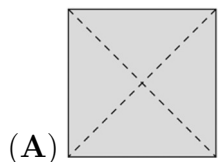


12. Bob folded a piece of paper. He cut exactly one hole in the paper. Then he unfolded the piece of paper and saw the result as shown in the picture.



paper and saw the result as shown in the picture.

How had Bob folded his piece of paper?



13. Numbers are placed in the cells of the  $4 \times 4$  square shown in the picture. Mary finds the  $2 \times 2$

1	2	1	3
4	1	1	2
1	7	3	2
2	1	3	1

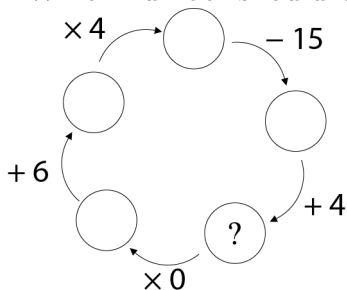
square where the sum of the numbers in the four cells is the largest. What is that sum?

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

14. David wants to cook 5 dishes on a stove with only 2 burners. The times needed to cook the 5 dishes are 40 min, 15 min, 35 min, 10 min and 45 min . What is the shortest time in which he can do it? (He may only remove a dish from the stove when it is cooked.)

- (A) 60 min                  (B) 70 min                  (C) 75 min                  (D) 80 min                  (E) 85 min

15. Which number should be written in the circle containing the question mark?



- (A) 10                      (B) 11                      (C) 12                      (D) 13                      (E) 14

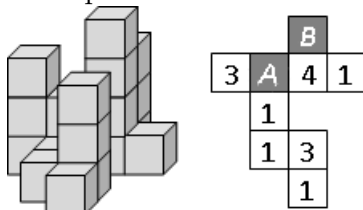
16. There is a tournament at the pool. First 13 children signed up and then another 19 signed up. Six teams with an equal number of members are needed for the tournament.

At least how many more children need to sign up so that the six teams can be formed?

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

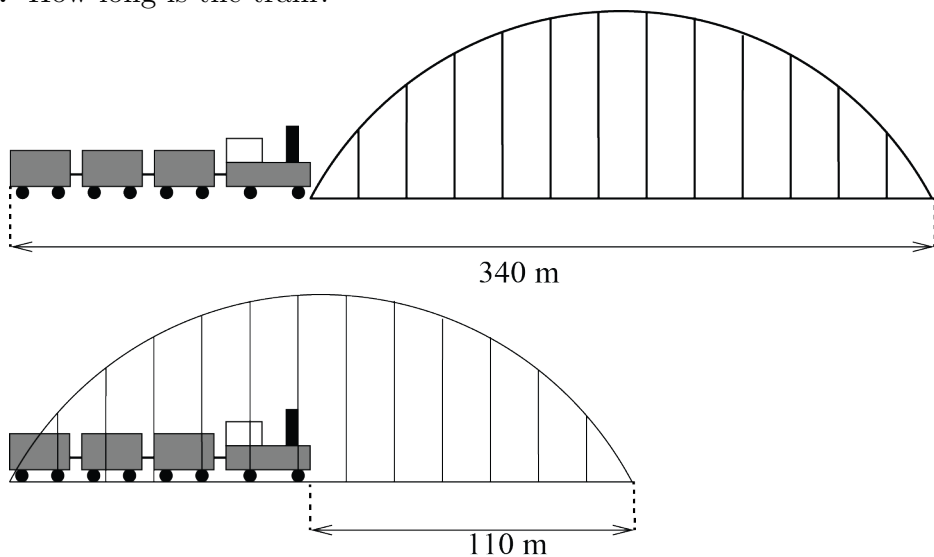
5 points

17. The picture shows a group of building blocks and a plan of the same group. Some ink has dripped onto the plan. What is the sum of the numbers under the ink blots?



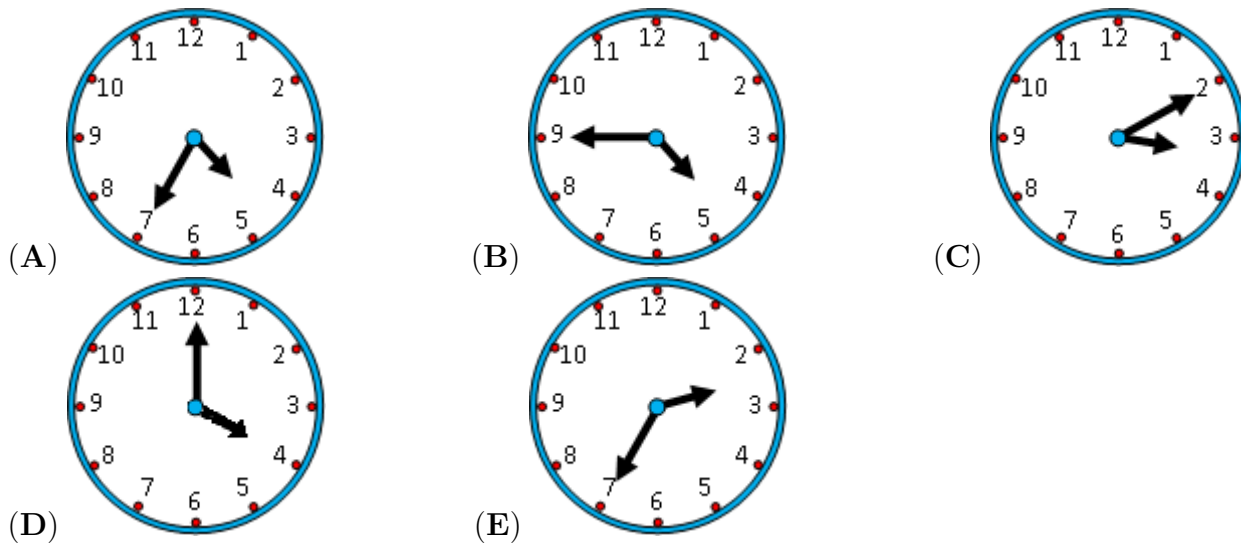
- (A) 3                      (B) 4                      (C) 5                      (D) 6                      (E) 7

18. How long is the train?

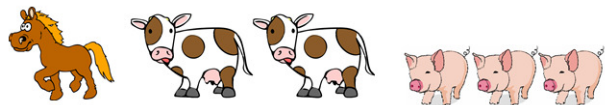


- (A) 55 m      (B) 115 m      (C) 170 m      (D) 220 m      (E) 230 m

19. George starts training at five in the afternoon. The journey from his house to the bus stop takes 5 minutes. The bus journey takes 15 minutes. It takes him 5 minutes to go from the bus stop to the field. The bus runs every 10 minutes from six in the morning. At what time at the latest does he have to leave his house to arrive at the field on time?

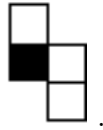


20. In Old McDonald's Barn there are one horse, two cows and three pigs.  
How many more cows does McDonald Barn need so that half of all the animals are cows?

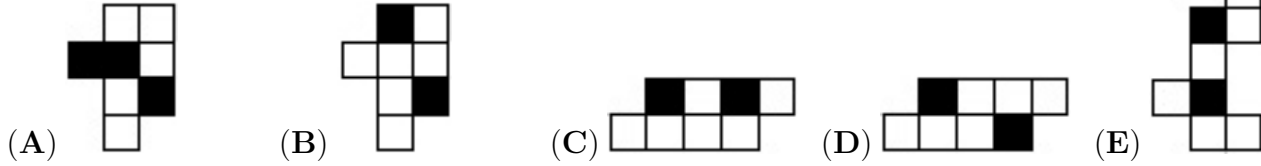


- (A) 0      (B) 1      (C) 2      (D) 3      (E) 4

21. Sepehr has two paperboards.



He colored one side of each paperboard like this:  
Which shape can he make using both pieces?



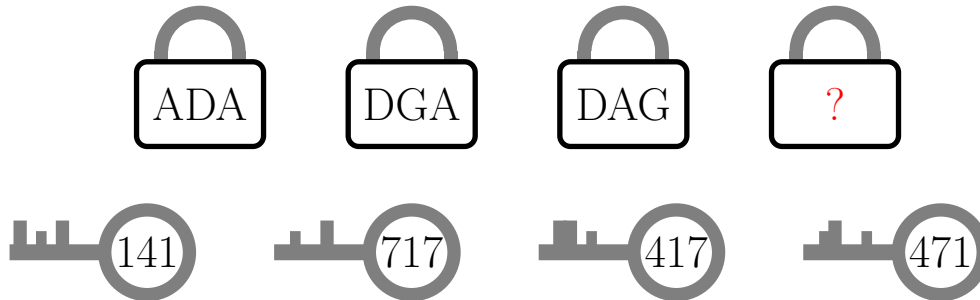
22. The Kangaroo makes 10 jumps in 1 minute and rests 3 minutes after, then he makes again 10 jumps in 1 minute and rests 3 minutes, and so on. At least, after how many minutes will he make 50 jumps?



jumps?

- (A) 4                      (B) 5                      (C) 16                      (D) 17                      (E) 21

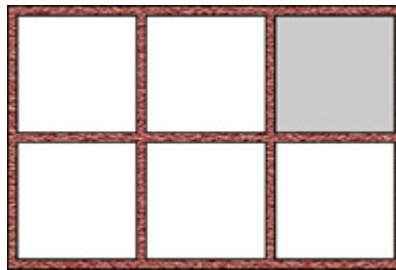
23. Each of the 4 keys fits only one of the 4 padlocks and the numbers on the keys refer to the letters on the padlocks.



What is written on the last padlock?



- (A) GDA                      (B) ADG                      (C) GAD                      (D) GAG                      (E) DAD










24. Ann put six toys in one shelf with six slots, like this  
When you look at the shelf, you see that:

 is between  and .

 is right above .

 is at left of  and at right of .

Which toy is in the grey slot?

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



## Hoja de Respuestas

Nombre: \_\_\_\_\_

Institución: \_\_\_\_\_

Nivel: \_\_\_\_\_

01. A B C D E

02. A B C D E

03. A B C D E

04. A B C D E

05. A B C D E

06. A B C D E

07. A B C D E

08. A B C D E

09. A B C D E

10. A B C D E

11. A B C D E

12. A B C D E

13. A B C D E

14. A B C D E

15. A B C D E

16. A B C D E

17. A B C D E

18. A B C D E

19. A B C D E

20. A B C D E

21. A B C D E

22. A B C D E

23. A B C D E

24. A B C D E