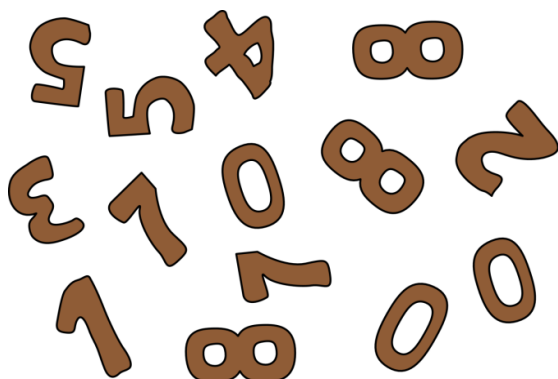# International Contest-Game
MATH KANGAROO

Part A: Each correct answer is worth 3 points.

1. Which digits are missing?

(A) 3 and 5   (B) 4 and 8   (C) 2 and 0   (D) 6 and 9   (E) 7 and 1

2. There are twelve books on a shelf and four children in a room. How many books will be left on the shelf if each child takes one book?
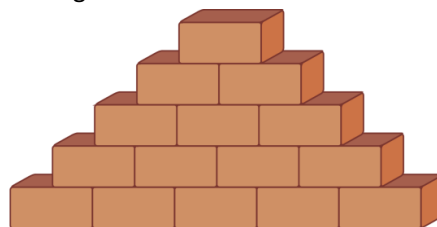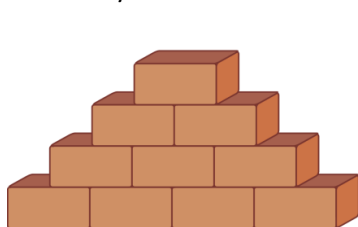
(A) 12   (B) 8   (C) 4

(D) 2   (E) 0

3. Which of the dresses has less than seven dots, but more than five dots?

(A)

(B)

(C)

(D)

(E)

4. A lot of babies were born in the zoo last year: two baby lions, three baby dolphins and four baby eagles. How many legs do all these babies have altogether?

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

5. Several students want to plant 20 tulips in the school garden. It takes ten minutes for them to plant five tulips. They started at 9:00 in the morning. At what time will they finish planting all 20 tulips?

(A) At 9:10 (B) At 9:20 (C) At 9:40 (D) At 9:50 (E) At 10:00

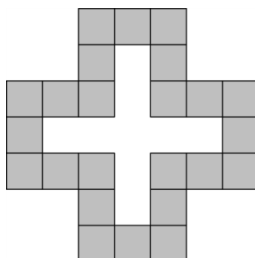**6.** How many more bricks are there in the larger stack?

(A) 4 (B) 5 (C) 6 (D) 7 (E) 10

Part B: Each correct answer is worth 4 points.

7. Ann has ⬥⬥ . Barb gave Eve 📿 . Jim has 🎩 . Bob has 👓 . Who is Barb?

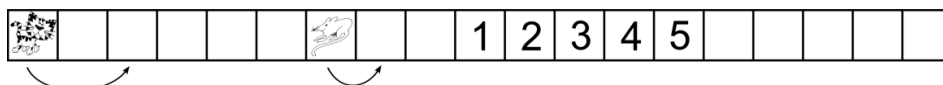(A) (B) (C) (D) (E)

8. There is a path with square tiles.

How many tiles fit in the area inside?

(A) 5 (B) 6 (C) 7 (D) 8 (E) 9

9. Cat and Mouse are moving to the right. When Mouse jumps 1 tile, Cat jumps 2 tiles at the same time.

| 🐱 | | | | | 🐭 | | 1 | 2 | 3 | 4 | 5 | | | | | |

On which tile does Cat catch Mouse?

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

10. I am a number. If you count by tens you will say my name. I am not ten. If you add me to 30, you will get a number less than 60. Who am I?

(A) 20   (B) 30   (C) 40   (D) 50   (E) 60

11. There is a house on each corner of the streets. The houses are shown on the map. Two new houses will be built on each street between the corner houses. How many houses will there be in all?

(A) 8   (B) 12   (C) 16
(D) 20   (E) Other answer

12. Kasia has 3 brothers and 3 sisters. How many brothers and how many sisters does her brother Mike have?

(A) 3 brothers and 3 sisters   (B) 3 brothers and 4 sisters   (C) 2 brothers and 3 sisters
(D) 3 brothers and 2 sisters   (E) 2 brothers and 4 sisters

Part C: Each correct answer is worth 5 points.

13. Ania makes a large cube from 27 small white cubes. She paints all the faces of the large cube. Then Ania removes four small cubes from four of the corners, as shown. While the paint is still wet, she stamps each of the new faces onto a piece of paper. How many of the following stamps can Ania make?
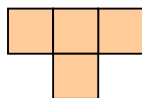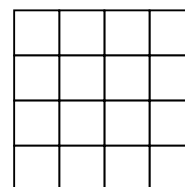
(A) 1   (B) 2   (C) 3   (D) 4   (E) 5

14. Ann has a lot of these pieces:
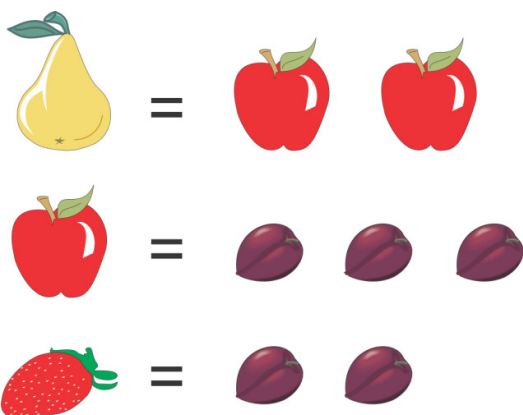
She tries to put them in the square, as many as possible.
How many cells shall be left empty?
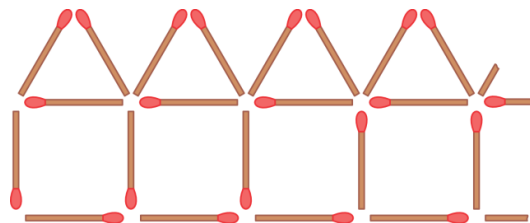
(A) 0   (B) 1   (C) 2   (D) 3   (E) 4

15. In a game it is possible to make the following exchanges:

Adam has 6 pears. How many strawberries will Adam have, when he trades all his pears for just strawberries?

(A) 12 　　　　(B) 36 　　　　(C) 18 　　　　(D) 24 　　　　(E) 6

16. Sophie makes a row of 10 houses with matchsticks. In the picture you can see the beginning of the row. How many matchsticks does Sophie need altogether?

(A) 50 　　　　(B) 51 　　　　(C) 55 　　　　(D) 60 　　　　(E) 62

17. A square box is filled with two layers of identical square pieces of chocolate. Kirill has eaten all 20 pieces in the upper layer, which are along the walls of the box. How many pieces of chocolate are left in the box?

(A) 16 　　　　(B) 30 　　　　(C) 50 　　　　(D) 52 　　　　(E) 70

18. In a park there are babies in four-wheel strollers and children on two-wheel bikes. Paula counted wheels and the total was 12. When she added the number of strollers to the number of bikes, the total was 4. How many two-wheel bikes are there in the park?

(A) 1 　　　　(B) 2 　　　　(C) 3 　　　　(D) 4 　　　　(E) Other number