

# KANGAROO 2017



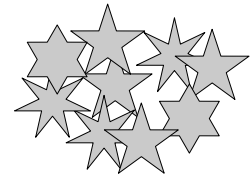
**Nipper**  
1-2 grades

*Time allowed: 50 minutes*  
*Calculators are not permitted*

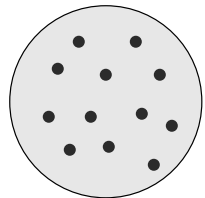
## Questions for 3 points

1.  $2 + 0 + 1 + 7 =$   
A) 2017 B) 37 C) 19 D) 10 E) 217

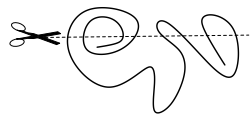
2. In the picture there are 5-pointed, 6-pointed and 7-pointed stars. How many 5-pointed stars are there?  
A) 2 B) 3 C) 4 D) 5 E) 6




3. The entire pie as seen in the picture is divided among children. Each child receives a piece of the pie with three cherries on top. How many children are there?  
A) 3 B) 4 C) 5 D) 6 E) 8



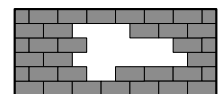
4. In how many parts does the cut split the rope in the picture?  
A) 5 B) 6 C) 7 D) 8 E) 9



5. Ellen wants to decorate the butterfly  with these stickers  
◆ ◆ ■ ■ ● ●. Which butterfly can she make?



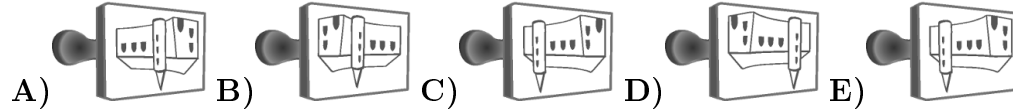
6. How many bricks are missing in the wall?  
A) 8 B) 9 C) 10 D) 11 E) 12



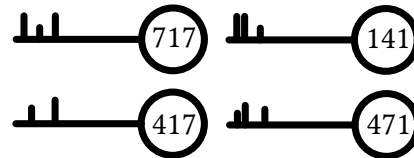
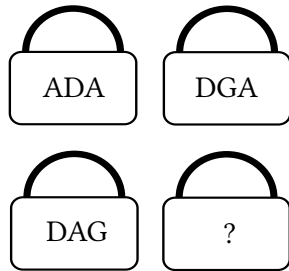
15. Brian and William stand in line. Brian knows that there are 7 people in front of him. William knows that there are in total 11 people in the line. If Brian is just in front of William, how many people in the line are behind William?

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

16. Which stamp has been used to get the picture above?



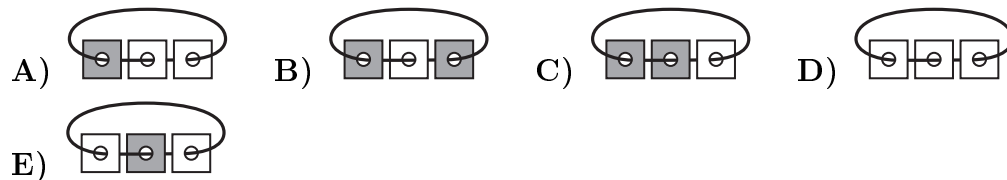
17. Each of the 4 keys fits only one of the 4 padlocks and the numbers on the keys refer to the letters on the padlocks.



What is written on the last padlock?

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

18. In a stack of three cards with holes, the top of each card is white and the bottom is grey. Basil threaded these cards on a rope. After some arrangement of the cards, which situation is possible to obtain without untying the rope?



**Questions for 4 points**

7. In the drawing we see a string of four beads. Which of the strings below is the same string?

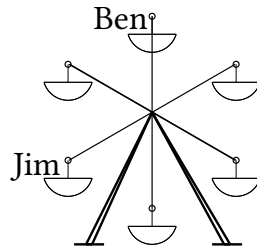


- A) B) C) D) E)

8. In which picture squares are twice as much triangles and circles are twice as much squares?

- A) B) C) D) E)

9. At some moment Jim and Ben sat on the carousel as in the picture. The carousel turned moving Ben to the place where previously Jim was. At that moment where was Jim?



- A) B) C) D) E)

10. Four out of the numbers 1, 3, 4, 5 and 7 are used, one in each square, so that the equality is correct. Which of the numbers is not used?

$$\square + \square = \square + \square$$

- A) 1 B) 3 C) 4 D) 5 E) 7

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



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

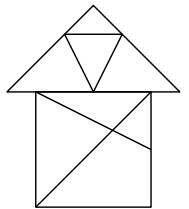
12. Sepehr has two paperboards. He colored one side of each paperboard like this: . Which shape can he make using both pieces?

- A) B) C) D) E)

**Questions for 5 points**

13. How many triangles are there in the picture?

- A) 8 B) 9 C) 10 D) 11 E) 12



14. 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. What is the least amount of minutes that he needs to make 50 jumps?

- A) 4 B) 5 C) 16 D) 17 E) 20