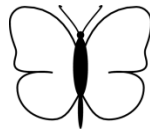


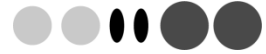
Känguru der Mathematik 2017
Level Felix (Grade 1 and 2)
Österreich – 16. 3. 2017

– 3 Points Questions –

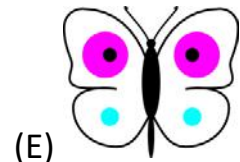
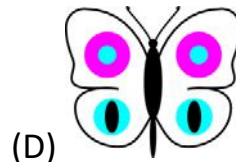
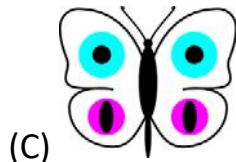
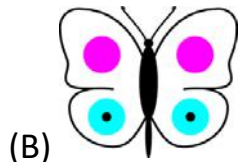
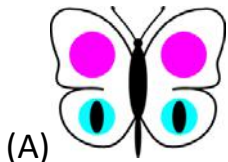
1. Ellen wants to decorate the butterfly using these 6 stickers



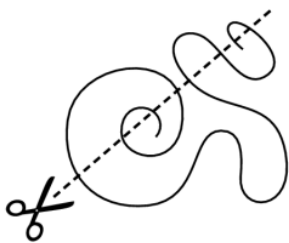
using these 6 stickers



Which butterfly can she make?



2. Into how many pieces will the string be cut?



(A) 5

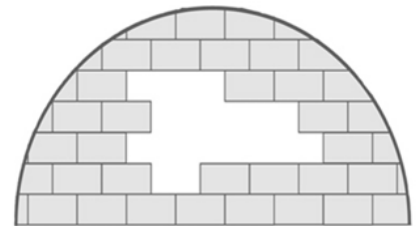
(B) 6

(C) 7

(D) 8

(E) 9

3. How many blocks are missing in this igloo?



(A) 8

(B) 9

(C) 10

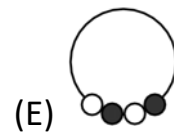
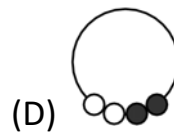
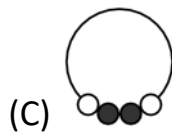
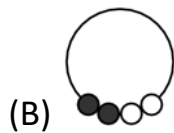
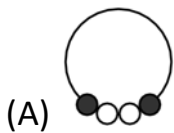
(D) 11

(E) 12

4. This picture shows a bracelet with pearls.



Which of the bands below shows the same bracelet as above?



5. Four of the numbers 1, 3, 4, 5 and 7 are written into the boxes so that the calculation is correct.

Which number was not used?

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

(A) 1

(B) 3

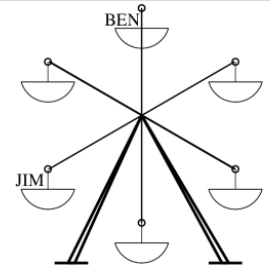
(C) 4

(D) 5

(E) 7

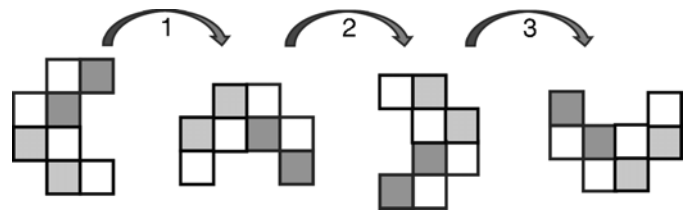
4 Points Questions

6. Jim and Ben are sitting in a ferris wheel (see picture on the right).
 The ferris wheel is turning.
 Now Ben is in the position where Jim was beforehand.
 Where is Jim now?



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

7. Alfred turns his building block 10 times.
 The first three times can be seen in the picture.
 What is the final position of the building block?



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

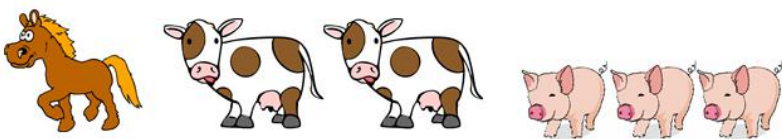
8. In which picture are there half as many circles as triangles and twice as many squares as triangles?

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

9. Leo and Max are standing in a queue that is made up of 11 people in total.
 There are 7 people in front of Leo, Max stands directly behind him in the queue.
 How many people are behind Max?

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

10. Old McDonald has a horse, two cows and three pigs.




How many more cows does he need, so that exactly half of all his animals are cows?

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

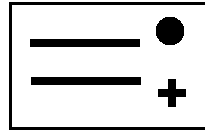
5 Points Questions

11. Every box shows the result of the addition of the numbers on the very left and on the very top (for example: $5 + 7 = 12$). Which number is written behind the star?

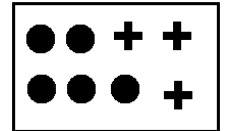
	+ 10	7
5	15	12
?	14	

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

12. Lisa has several sheets of construction paper like this



and



She wants to make 7 identical crowns:

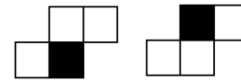


For that she cuts out the necessary parts.


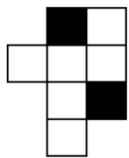
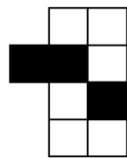
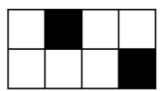
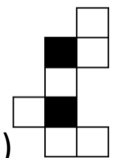
What is the minimum number of sheets of construction paper that she has to cut up?

- (A) 7 (B) 9 (C) 10 (D) 11 (E) 13

13. Simon has two identical tiles, whose front look like this:
The back is white.



Which pattern can he make with those two tiles?

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

14. A kangaroo always does ten jumps within a minute.

Then he has a three minute break.

How many minutes does it need in order to do 50 jumps?

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

15. Each one of the four keys locks exactly one padlock. Every letter on a padlock stands for exactly one digit. Same letters mean same digits.

Which letters must be written on the fourth padlock?



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