

Känguru der Mathematik 2016

Level Felix (Grade 1 and 2)

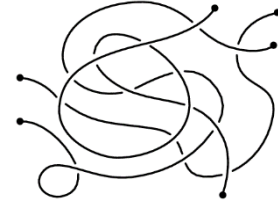
Österreich – 17. 03. 2016



– 3 Points Questions –

1. How many ropes can you see in this picture?

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



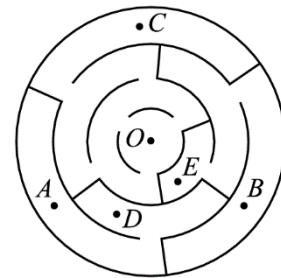
2. In a cave there live a starfish, two seahorses and three turtles. They are visited by three starfish, four turtles and five seahorses.

How many animals are there now in the cave altogether?

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

3. Which point in the labyrinth can we get to, starting at point *O*?

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



4. Ten friends go to Robert's birthday party. Six of which are girls.

How many boys in total are at the party?

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

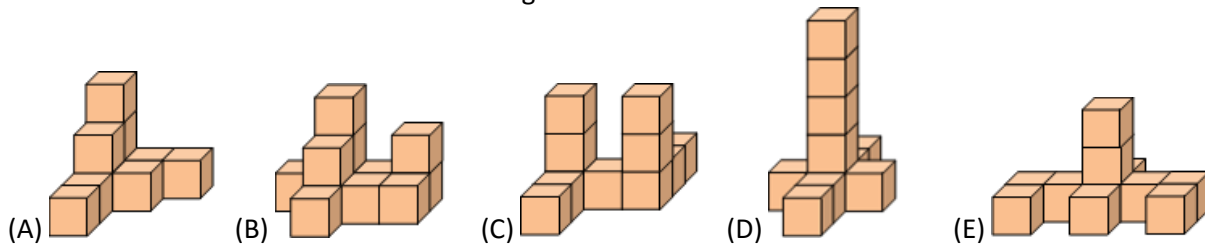
5. Johannes hands out flyers to the houses with the numbers 15 to 47.

How many houses get a flyer?

- (A) 31 (B) 32 (C) 33 (D) 34 (E) 35

– 4 Points Questions –

6. Max has 10 dice. Which one of the following solids can he build with them?

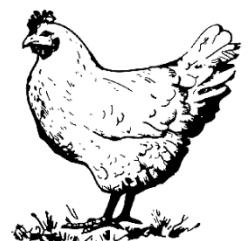
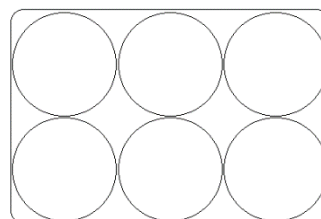


7. A hen lays white and brown eggs.

Lisa takes six of them and puts them in a box as shown.

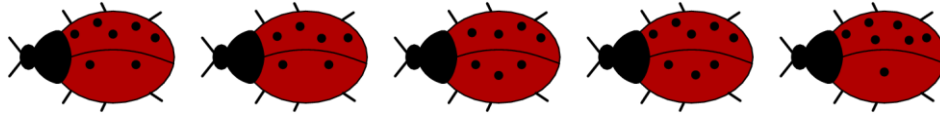
The brown eggs are not allowed to touch each other.

What is the maximum number of brown eggs Lisa can place in the box?



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

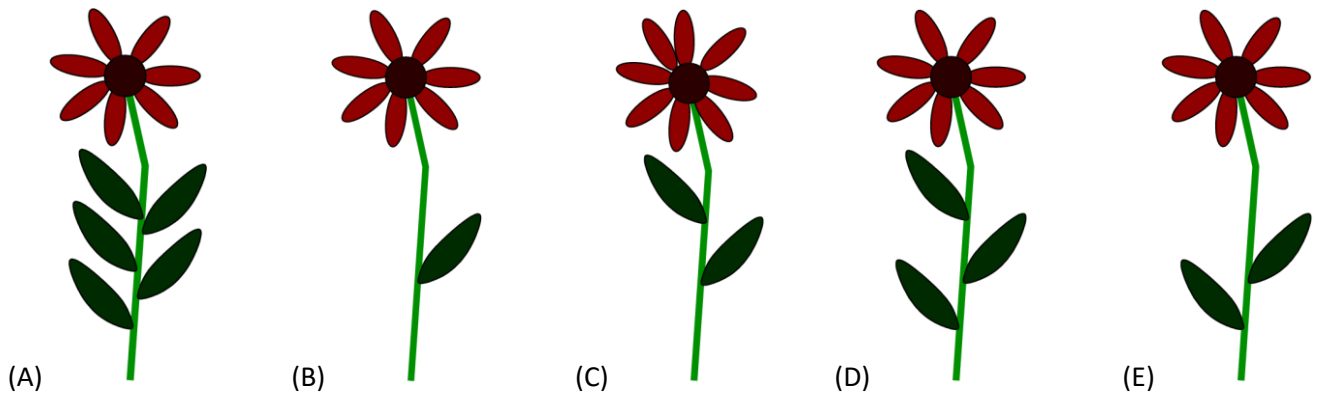
14.



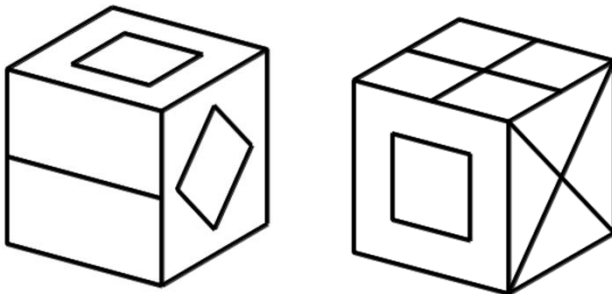
In the picture above five ladybirds can be seen. Each one is sitting on a certain flower. A ladybird is only allowed to sit on a flower if the following conditions are met:

- 1) The difference between the number of points on each wing is equal to the number of leaves on the stem.
- 2) The number of points on the wings of the ladybird is equal to the number of petals on the flower.

Which of the following flowers is without a ladybird?



15.



In the picture above we see a cube in two different positions.

The six sides of the cube look like this:



Which side is opposite to

