

MATHEMATICS KANGAROO 2014

Austria - 20.3.2014

Group: Felix, Grades: 1-2

Name:	
School:	
Class:	

Time allowed: 60 min.

- Each correct answer, questions 1.-5.: 3 Points
Each correct answer, questions 6.-10.: 4 Points
Each correct answer, questions 11.-15.: 5 Points
Each question with no answer given: 0 Points
Each incorrect answer: Lose $\frac{1}{4}$ of the points for that question.
You begin with 15 points.



Please write the letter (A, B, C, D, E) of the correct answer under the questions number (1 to 15)
Write neatly and carefully!

1	2	3	4	5


6	7	8	9	10

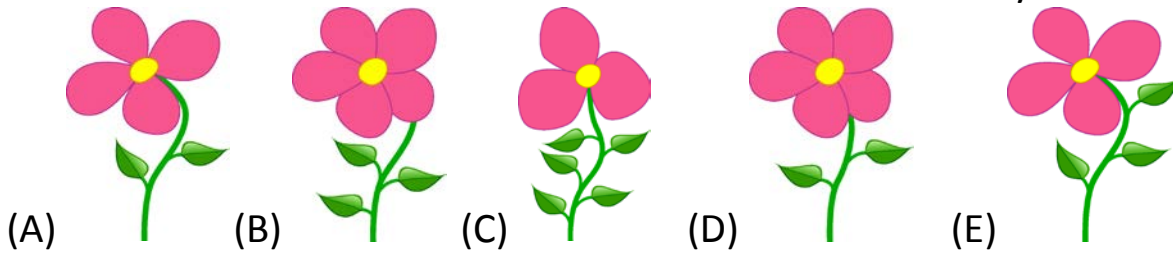
11	12	13	14	15

Mathematical Kangaroo 2014
Group Felix (Grade 1 and 2)
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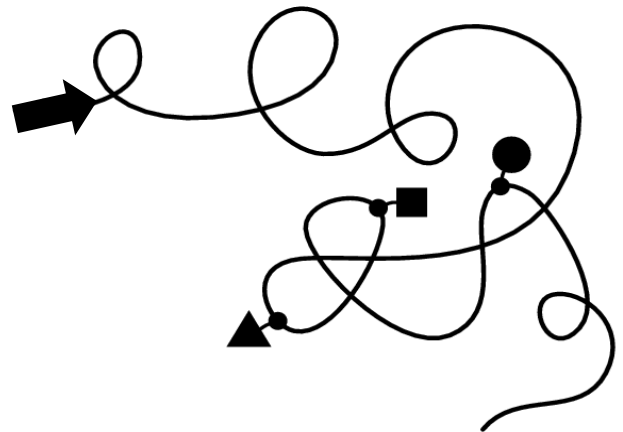
– 3 Point Questions –

1. The ladybird  would like to sit on his flower. The flower has five petals and the stem has three leaves. On which flower should the ladybird sit?



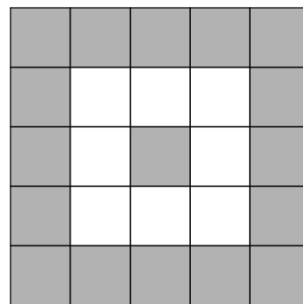
2. Theresa moves a pencil along the line. She starts at the arrow shown. In which order will she go past the shapes?

- (A) ▲, ■, ● (B) ▲, ●, ■ (C) ●, ▲, ■
 (D) ■, ▲, ● (E) ■, ●, ▲



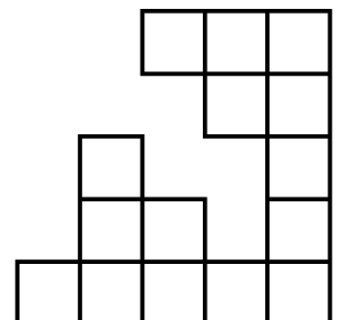
3. There are more grey squares than white. How many more?

- (A) 6 (B) 7 (C) 8
 (D) 9 (E) 10



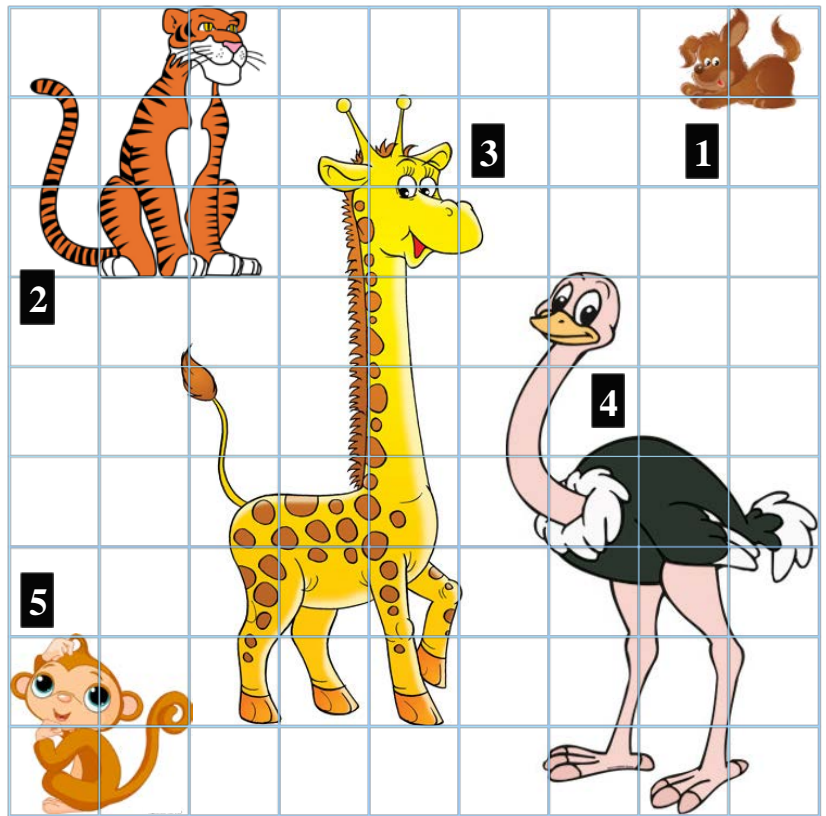
4. A big square is made from 25 small squares put together. A few of the small squares have been lost. How many have been lost?

- (A) 6 (B) 7 (C) 8 (D) 10 (E) 12



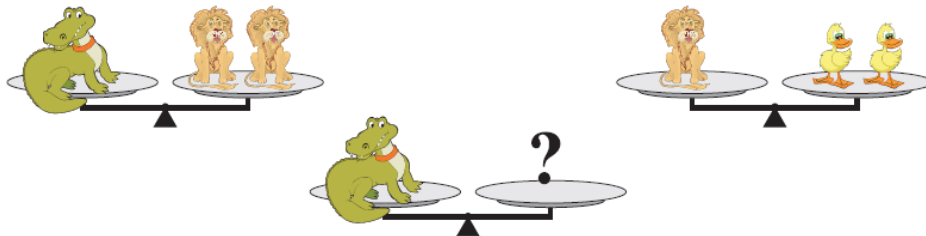
5. Put the animals in order of size. Begin with the smallest. Which animal will be in the middle?

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



– 4 Point Questions –

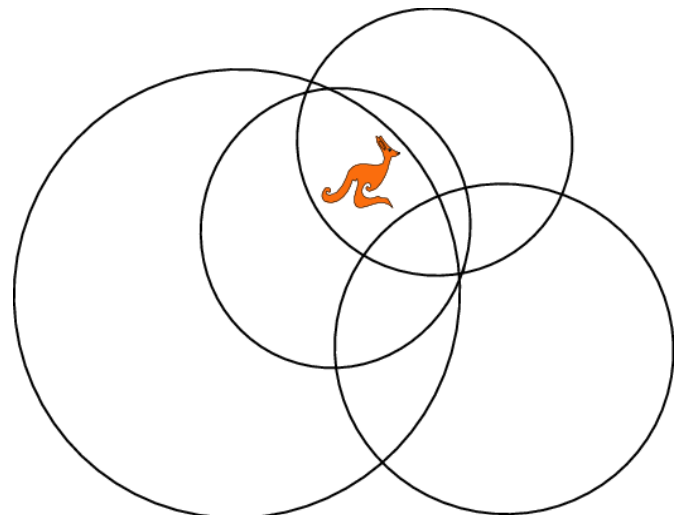
6. How many ducks weigh the same as a crocodile?








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

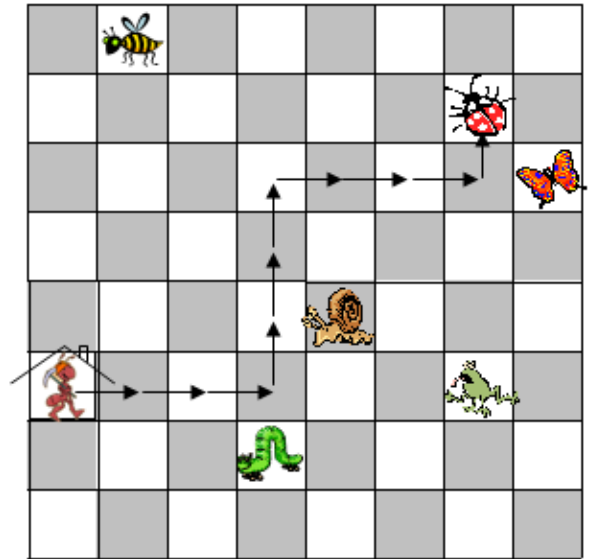
7. The kangaroo is inside how many circles?


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

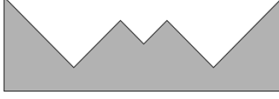







8. When the ant  walks from home  along the arrows $\rightarrow 3, \uparrow 3, \rightarrow 3, \uparrow 1$, he gets to the ladybird .

Which animal does the ant , get to when he walks from home  along the following arrows: $\rightarrow 2, \downarrow 2, \rightarrow 3, \uparrow 3, \rightarrow 2, \uparrow 2$?



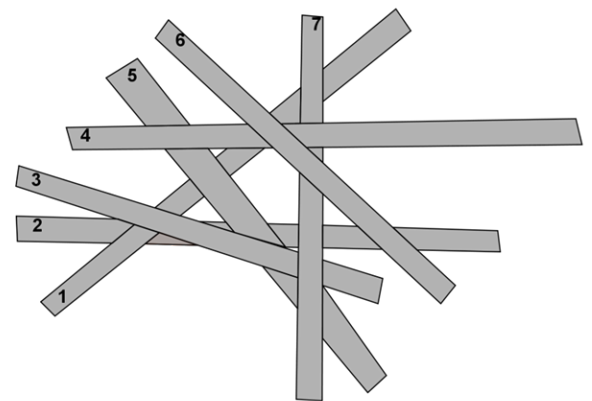
- (A)  (B)  (C)  (D)  (E) 

9. Max has cut a rectangle into two pieces. One piece looks like:  What does the other piece look like?

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

10. Seven sticks lay on top of each other. Stick 2 lays right at the bottom. Stick 6 lays right on top. Which stick lays exactly in the middle?

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



– 5 Point Questions –

11. How many numbers, which are only allowed to contain the digits 1, 2 or 3 are bigger than 10 and smaller than 32? The digits can be used more than once in the numbers.

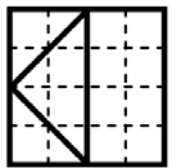
- (A) 2 (B) 4 (C) 6 (D) 7 (E) 8

12. The rabbit family Hoppel eat cabbages and carrots. Each day they eat either 10 carrots or 2 cabbages. In the whole of last week they ate 6 cabbages. How many carrots did the rabbit family eat last week?



- (A) 20 (B) 30 (C) 34 (D) 40 (E) 50

13. A square is cut into four pieces. Which shape can you not make with these four pieces?



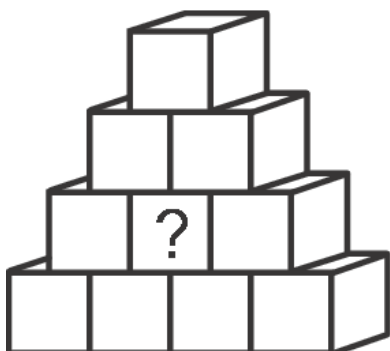
- (A)
- (B)
- (C)
- (D)
- (E)

14. Each of the digits 2, 3, 4 and 5 will be placed in a square. Then there will be two numbers, which will be added together. What is the biggest number that they could make?



- (A) 68 (B) 77 (C) 86 (D) 95 (E) 97

15. Ingrid has 4 red, 3 blue, 2 green and 1 yellow cube. She uses them to build the following object:



Cubes with the same colour don't touch each other.
Which colour is the cube with the question mark?
(A) red (B) blue (C) green (D) Yellow
(E) This cannot be worked out for certain.