## Känguru der Mathematik 2018 Level Ecolier (Grade 3 and 4) Austria – 15. 3. 2018



	- 3 Point Examples -									
1.	L. As seen in the diagram, 3 darts are flying towards 9 fixed balloons. If a balloon is hit by a dart, it bursts and the dart continues in the same direction it had beforehand. How many balloons are hit by the darts?									
	(A) 2	(B) 3	(C) 4	(D) 5	(E) 6					
2.	Susanne is 6 How old are (A) 15	i years old. H the 3 sibling (B) 16	ler sister Lisa gs altogether (C) 17	is 2 years ? ?	younger. Broth (D) 18	er Max is 2 y (E) 19	ears older	than Susanr	a.	
3.	The diagram screw is sho Which is the (A) 1	n shows a wo rter. e shorter scre (B) 2	ooden block v ew? (C) 3	vith 5 scre	ws. 4 of which a	are equally lo (E) 5	ong, one		5	
4.	Leonie has c Using them, competition How many c (A) 5	one stamp fo she stamps of the stamp (B) 6	r each of the the date of t s does Leonie (C) 7	digits 0, 1 he kangard use to do	, 2, 3, 4, 5, 6, 7, po- that? (D) 9	8, 9. 5 (E) 10	03	20	) 1 8	'
5.	On the right Sophie turns Which of the (A)	you can see s. e pictures be (B)	a picture of elow is not So	ladybird So phie? (C)	ophie.	(D)		(E)		
6.	Lucy folds a Then she un Which of the (A)	piece of pap folds the pa e five picture (B)	er exactly ha per again. es can she see	If way and	then cuts out a	a figure: (D)	2v2	(E)		
7.	Mike sets th knife to the For how ma (A) 5	e table for 8 right of the ny people is (B) 4	people: The plate. the cutlery so (C) 6	fork has to	o lie to the left y? (D) 2	and the (E) 3				



14. A rose bush has 8 flowers on which butterflies and dragonflies are sitting On every flower there is at most one insect sitting on it. More than half of the flowers are occupied.





How many butterflies are sitting on the rose blossoms?



The map shows the roundtrip that Captain Bluebear covers during his journey. Three distances are given on the map.

(E) 6

(E) 35 km

He sails from island to island and starts at the island Berg. In total he covers a distance of 100 km. The distances between the islands Wüste and Wald is equal to the distance between the islands Berg and Blume via Vulkan.

How big is the distance between Berg and Wald?

**16.**Tobias glues 10 cubes together so that the following object is formed: He paints all of it, even the bottom. How many cubes then have exactly 4 faces coloured in?

		- 5 Point Examples -		
(B) 7	(C) 8	(D) 9	(E) 10	
	(B) 7	(B) 7 (C) 8	(B) 7 (C) 8 (D) 9	

- 17. The big rectangle consists of various squares of different sizes.Each of the three smallest squares has area 1.How big is the area of the big rectangle?
  - (A) 65 (B) 71 (C) 77 (D) 87 (E) 98



18.In order to slay a dragon, Mathias has to cut off all of its heads. As soon as he has cut off 3 heads, a new one grows back immediately. After Mathias has cut off 13 heads the dragon is dead. How many heads did the dragon have initially?

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

**19.**The rooms in Kanga's house are numbered. Eva enters the house through the main entrance. Eva has to walk through the rooms in such a way that each room that she enters has a number higher than the previous one. Through which door does Eva leave the house?

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





Which ball weighs 30 grams?

