	Ms. Ad
23. Nine tokens are black on one side and white on the other. Initially, 4 tokens have the black side upwards:	Starptautiskā konkursa "Ķengurs" uzdevumi
24. Which of the following options balances the third scale for sure? (A) \(\triangle \triangl	26.03.2020. /16.04.2020. 56 klases
$(c)\triangleOOO (D)\triangleDDDO(E)OOD$	3 point problems 1. Which tile is missing?
25. Ten people ordered ice cream, one scoop each: 4 scoops vanilla, 3 scoops chocolate, 2 scoops lemon and 1 scoop mango. The scoops were decorated with 4 umbrellas, 3 cherries, 2 wafers and 1 chocolate chip, one decoration on each scoop, such that no two ice creams were alike. Which of the following combinations was NOT served? (A) chocolate with a cherry (B) mango with an umbrella (C) vanilla with an umbrella (D) lemon with a wafer	(A) (B) (C) (C) (D) (E) (E) (E) (E) (D) (E) (E) (D) (E) (E) (D) (E) (E) (E) (E) (E) (E) (E) (E) (E) (E
(E) vanilla with a chocolate chip	them is incorrect. Which one?
26. We call a 3-digit number "nice" if the middle digit is greater than the sum of its neighbours. What is the largest number of successive "nice" numbers? (A) 5 (B) 6 (C) 7 (D) 8 (E) 9	A 2 km B 9 km B 8 km B 6 km B 3 km C D (E)
27. In a chess tournament, Magnus has 15 games to play. Some time during the tournament he has won half of the games he has played, he has lost one third and two have ended in a draw. How many games has Magnus still to play in the tournament? (A) 2 (B) 3 (C) 4 (D) 5 (E) 6	3. A large square consists of small white and grey squares. What does the large square look like if the colours are interchanged?
28. A piece of paper has the numbers 1 to 8 written on it, as in the picture. We then fold the paper four times, in any order, along the grid lines. Which numbers will face the same direction as the number 1?	(A) (B) (C) (D) (E)
(A) 1, 4, 5, 8 (B) 1, 2, 5, 6 (C) 1, 3, 5, 7 (D) 1, 3, 6, 8 (E) it depends on the folding	4. Mikas wants to bake 24 muffins for his birthday party. To bake six muffins two eggs are needed. Eggs are sold in boxes of six. How many boxes does Mikas need to buy?
29. Don builds a pyramid with balls. The square base consists of 3 x 3 balls. The middle layer has 2 x 2 balls, and there is one ball at the top. There is glue at each contact point between two balls. How many glue points are there? (A) 20 (B) 24 (C) 28 (D) 32 (E)36	(A) 1 (B) 2 (C) 3 (D) 4 (E) 8 5. Using these shapes Lisa can make different figures. She does not need to use all the shapes every time. Which of the figures below she can not make?
30. The figure shows a map of islands and how they are connected by bridges. A postman has to visit all the islands exactly once. He started at the island marked "start" and would like to end at "finish". He has ust reached the black island at the centre of the map. How must he	(A) (B) (C) (D) (E)
move on his next step? (A) by going North (B) by going East (C) by going South (D) by going West (E) there is no such path as the postman wishes to follow	6. Kim has several chains of length 5 and length 7: By joining chains one after the other, Kim can create different lengths. Which of these lengths is impossible to make? (A) 10 (B) 12 (C) 13 (D) 14 (E) 15
Laiks uzdevumu risināšanai — 75 minūtes!	7. Maria has 10 sheets of paper. She cuts some of the sheets into five parts each. After that Maria has 22 pieces in total. How many sheets did she cut? (A) 3 (B) 2 (C) 6 (D) 7 (E) 8

5.-6. klases 5.-6. klases

