out from a	e greatest number of 5 × 5 square?	·		hat can be cut			Starptautiskā konkursa "Ķengurs" uzdevumi					
(A) 2	(B) 4	(C) 5	(D) 6	(E) 7		24	24.03.2016. 56. klases					
chairs. If h	ed a small restaura e uses all the tables e uses all the tables low many tables did	s as single tab as double tab	les with 4 chairs les with 6 chairs	each, he would	d need 6 more	1	3 point problems 1. Which of the following traffic signs has the largest number of lines of symmetry?					
(A) 8	(B) 10	(C) 12	(D) 14	(E) 16		1.	The virial of the following trains signs has the largest number of lines of symmetry?					
She has al	s to construct a big ready put some tiles	together as s					(A) (B) (C) (D) (E)					
tiles does : (A) 5	she need to comple (B) 9	te a triangle? (C) 12	(D) 15	(E)21	V	2.	 Mike cuts a pizza into quarters. Then he cuts every quarter into thirds. What part of the whole pizza is one piece? (A) a third (B) a quarter (C) a seventh (D) an eighth (E) a twelfth 					
Five faces	was built from 8 ide of the big cube are s the sixth face of the			k ones and son	ne white ones.	3.	 A thread of length 10 cm is folded into equal parts as shown in the figure. The thread is cut at the two marked places. What are the lengths of the three parts? (A) 2 cm, 3 cm, 5 cm (B) 2 cm, 2 cm, 6 cm 					
(A)	(B)	(C)	(D)	(E)	7)		(C) 1 cm, 4 cm, 5 cm (E) 3 cm, 3 cm, 4 cm					
wants to v sums of th	ote numbers in 5 or write a number in e e 3 numbers along Il she have to write (B) 8	ach of the rer each side of	naining 5 circles he pentagon are	such that the	3 X 1) 2 0-6-0	4.	 On Lisa's refridgerator 8 strong magnets hold some postcards. What is the largest number of magnets that she could remove so that no postcard falls to the ground? (A) 2 (B) 3 (C) 4 (D) 5 (E) 6 					
28. The symbol digit numb	er the number,	result is the 2-	different digits. digit number 1-digit number	. If you ac	dd the digits of	5.	 Cathy draws a square with side length 10 cm. She joins the midpoints of the sides to make a smaller square. What is the area of the smaller square? (A)10 cm² (B)20 cm² (C)25 cm² (D)40 cm² (E)50 cm² 					
represent? (A) 4	(B) 5	(C) 6	(D) 8	(E) 9		6.	6. Alice's mother wants to see a knife on the right side of each plate and a fork on the left side. How many interchanges of a knife and					
or divides	garoo is playing wi the number by 2 c not be obtained?				•		a fork does Alice need to make in order to please her mother? (A) 1 (B) 2 (C) 3 (D) 5 (E) 6					
(A) 12	(B) 18	(C) 36	(D) 72	(E) 108		_						
_	t numbers have all ast digit of the firs	•		•		7.	 A centipede has 25 pairs of shoes. It needs one shoe for each of its 100 feet. How many more shoes does the centipede need to buy? (A) 15 (B) 20 (C) 35 (D) 50 (E) 75 					
(A) 552	(B) 546	(C) 301	(D) 535	(E) 537								

Laiks uzdevumu risināšanai – 75 minūtes!

8.	Five building h building? (A) 24	ave heights 19,	, 35, 31, 42 and (C) 35	d 24 meters. Ho	w tall is the second tallest (E) 19	16. Bart is getting his hair cut. When he looks in the mirror the clock looks like this: What would he have seen if he had looked in the mirror ten minutes earlier?
9.	On the left side heads on their the room, Mary pillows with th	of the room, Be pillows facing e and Karen are seir backs to e	ea and Pia are sl each other. On sleeping with the ach other.How	eeping with their the right side of ir heads on their many girls are		$(A) \qquad (B) \qquad (C) \qquad (D) \qquad (E)$
	sleeping with the (A) 0	(B) 1	(C) 2	(D) 3	(E) 4	17. Grandmother bought enough catfood for her four cats to last for 12 days. On her way home she brought back two stray cats. If she gives each cat the same amount of food every day, how many days will the catfood last?
10.		Γhe box is put α	on a table with	dotted lines to mathe top open. W	nake CDE	(A) 8 (B) 7 (C) 6 (D) 5 (E) 4 18. Each letter in BENJAMIN represents one of the digits 1, 2, 3, 4, 5, 6 or 7. Different letters
	(A) A	(B) B	(C) C problems	(D) D	(E) E	represent different digits. The number BENJAMIN is odd and divisible by 3. Which digit corresponds to N? (A) 1 (B) 2 (C) 3 (D) 5 (E) 7
11.	Which of the f	ollowing figures	,			19. Tim, Tom and Jim are triplets, while their brother Carl is 3 years younger. Which of the following numbers could be the sum of the ages of the four brothers?(A) 53(B) 54(C) 56(D) 59(E) 60
10	(A)	(B)	(C)	(D)	(E) onday to Friday exactly two	20. The perimeter of the rectangle <i>ABCD</i> is 30 cm. Three other rectangles are placed so that their centres are at the points <i>A</i> , <i>B</i> and <i>D</i> (see the figure). The sum of their perimeters is 20 cm. What is the total length of the thick line? (A) 50 cm (B) 45 cm (C) 40 cm
12.		o work. Mary w	orks 3 days per		orks 4 days per week. How (E) 5	(D) 35 cm (E) impossible to determine 5 point problems
13.	At one momen	t the squirrels st	tart running to th	ne nearest nut at	6 nuts marked by crosses. It the same speed. As soon Which squirrel will get two	21. Anna folds a round sheet of paper at the middle. Then she folds it once more and then one last time. In the end Anna cuts the folded paper along the marked line:
	(A) A	B (B) B	C (C) C	D E (D) D	(E) <i>E</i>	What is the shape of the middle part of the paper when unfolded?
14.	There are 30 s and exactly ha (A) 25	tudents in a cla If of the girls are (B) 20	ss. They sit by sitting with a b	pairs so that ead oy. How many b (D) 10	ch boy is sitting with a girl, oys are there in the class? (E) 5	$(A) \sum_{(B)} \sum_{(C)} \sum_{(C)} \sum_{(D)} \sum_{(D)} \sum_{(E)} $
15.	gets 3 numbers can get?	s. Then he adds	s these 3 number	ers. Which is the	cuts the strip 2 times and smallest possible sum he	22. Richard writes down all the numbers with the following properties: the first digit is 1,each of the following digits is at least as big as the one before it, the sum of the digits is 5. How many numbers does he write?
	(A) 2675	(B) 2975	(C) 2978	(D) 4217	(E) 4298	(A) 4 (B) 5 (C) 6 (D) 7 (E) 8

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