

WERELDWIJDE WISKUNDEWEDSTRIJD W4KANGOEROE

## THURSDAY MARCH 17TH 2016

## WWW.W4KANGOEROE.NL



## Good luck and most of all have fun.

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calculators are not allowed



only a pencil, an eraser and scribbling paper are allowed



answers will be posted on the website March 26th



you may use 50 minutes

results and prizes will arrive at school medio May

solutions will be posted on the website April 22th











Schoolsupport 🔏

www.schoolsupport.nl



www.blinkuitgevers.nl

D Premiums Relation www.idpremiums.nl



www.ru.nl

platform wiskunde nederland ww.platformwiskunde.nl







www.museumboerhaave.nl

1.	Mike cuts a pizza into quarters. Then he cuts every quarter into thirds.							
	What part of the whole pizza is 1 piece?							
	<b>A.</b> $\frac{1}{3}$	<b>B.</b> $\frac{1}{4}$	<b>c.</b> $\frac{1}{7}$	<b>D.</b> $\frac{1}{8}$	<b>E.</b> 1/12			
2.	A rope of leng The rope is c What are the	gth 10 m is lying o ut at the 2 marked lengths of the 3 pa	n the ground as sho places. arts?	own in the picture.	Ŵ	Ņ		
	<b>A.</b> 1 m, 5 m, 4 m <b>B.</b> 3 m, 4 m, 3 m <b>C.</b> 3 m, 6 m, 1 m <b>D.</b> 3 m, 5 m, 2 m <b>E.</b> 4 m, 4 m, 2 m							
3.	On <i>Lisa's</i> magnetic board a number of photo's are held together by 8 strong magnets •.							
	ground?	<b>B.</b> 3	<b>C.</b> 4	<b>D.</b> 5	<b>E.</b> 6			
4.	Bea and Pia are both lying in bed on the left side of the bedroom. They are facing each other.							
	How many girls are lying in bed with their right ear on their pillow?							
	<b>A.</b> 0	<b>B.</b> 1	<b>C.</b> 2	<b>D.</b> 3	<b>E.</b> 4			
5.	Sarah's moth plate.	er wants to see a	knife on the right si	de of each plate and	a fork on the left sic	le of each		
	How many in	terchanges of a kr	life and a fork does	<i>Sarah</i> need to mak	e in order to please l	ner mother?		
	<b>A.</b> 1	<b>B.</b> 2	<b>C.</b> 3	<b>D.</b> 5	<b>E.</b> 6			
6.	Tom and Jim are building rectangular boxes. The cubes they are using are identical. They use the same number of cubes. Tom's box is finished and looks like this:							
	now many le							
	<b>A.</b> 2	<b>B.</b> 3	<b>C.</b> 4	<b>D.</b> 5	<b>E.</b> 6			

7.	A centipede, an animal with 100 feet, has 25 pairs of shoes. It needs 1 shoe for each of its 100 feet.								
	How many more shoes does the centipede need?								
	<b>A.</b> 20	<b>B.</b> 25	<b>C.</b> 35	<b>D.</b> 50	<b>E.</b> 75				
8.	Silke draws a square that has sides of length 10 cm. She joins the midpoints of the sides to make a smaller square.								
	What is the area of the smaller square?								
	<b>A.</b> 10 cm <sup>2</sup>	<b>B.</b> 20 cm <sup>2</sup>	<b>C.</b> 25 cm <sup>2</sup>	<b>D.</b> 40 cm <sup>2</sup>	<b>E.</b> 50 cm <sup>2</sup>				
9.	<i>Freek, Anne,</i> and <i>Marlies</i> work in a library at a school. Each day from Monday to Friday exactly 2 of them have to be at work. <i>Freek</i> works 3 days this week and <i>Anne</i> 4 days.								
	How many days does <i>Marlies</i> have to work this week?								
	<b>A</b> .1	<b>B.</b> 2	<b>C.</b> 3	<b>D.</b> 4	<b>E.</b> 5				
10.	Merel has 2 identical squares.								
	Which of the following figures could <b>not</b> be formed by <i>Merel</i> ?								
	A.	в.	c.	D.	E.				
	of a 5 by 5 sc	juare? (see picture)							
	<b>A.</b> 3	<b>B.</b> 4	<b>C.</b> 5	<b>D.</b> 6	<b>E.</b> 7				
12.	5 squirrels A, B, C, D, and E are sitting on a line. At each cross there is 1 nut. At a certain moment all squirrels start running to the nearest nut. As soon as a squirrel picks up a nut it starts running to the next closest nut. They are all runing at the same speed. A $B$ $C$ $D$ $E$ $EA$ $B$ $C$ $A$ $B$ $C$ $A$ $B$ $C$ $A$ $B$ $C$ $A$ $A$ $B$ $C$ $A$ $A$ $B$ $A$								
	<b>A.</b> A	<b>B.</b> <i>B</i>	<b>C.</b> <i>C</i>	<b>D.</b> <i>D</i>	<b>E.</b> <i>E</i>				
13.	There are 30 students in a class. They sit in pairs next to each other. Each boy is sitting next to a girl and half of the girls are sitting next to a boy.								
	How many boys are in the class?								
	<b>A.</b> 5	<b>B.</b> 10	<b>C.</b> 15	<b>D.</b> 20	<b>E.</b> 25				
14.	<i>Rayan</i> writes down all the numbers with the following 3 properties: - the first digit is 1, - each of the following digits is at least as big as the one before it and - the sum of the digits is 5.								
	How many numbers has <i>Rayan</i> written down?								

**15.** A piece of cardboard is folded along the dotted lines. See the picture.



