## WereldWijde WiskundeWedstrijd W4Kangoeroe













www.schoolsupport.nl

Relatiegeschenken & Promotieartikelen www.idpremiums.nl



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## Good luck and most of all have fun.!



calculators are not allowed

ARH



you may use 50 minutes



Only a pencil, an eraser and scribbling paper are allowed



answers will be posted on the website about March 29<sup>th</sup>



arrive at school at the end of May

results and prizes will

solutions will be posted on the website about April 20<sup>th</sup>



www.cuttle.org

www.ru.nl

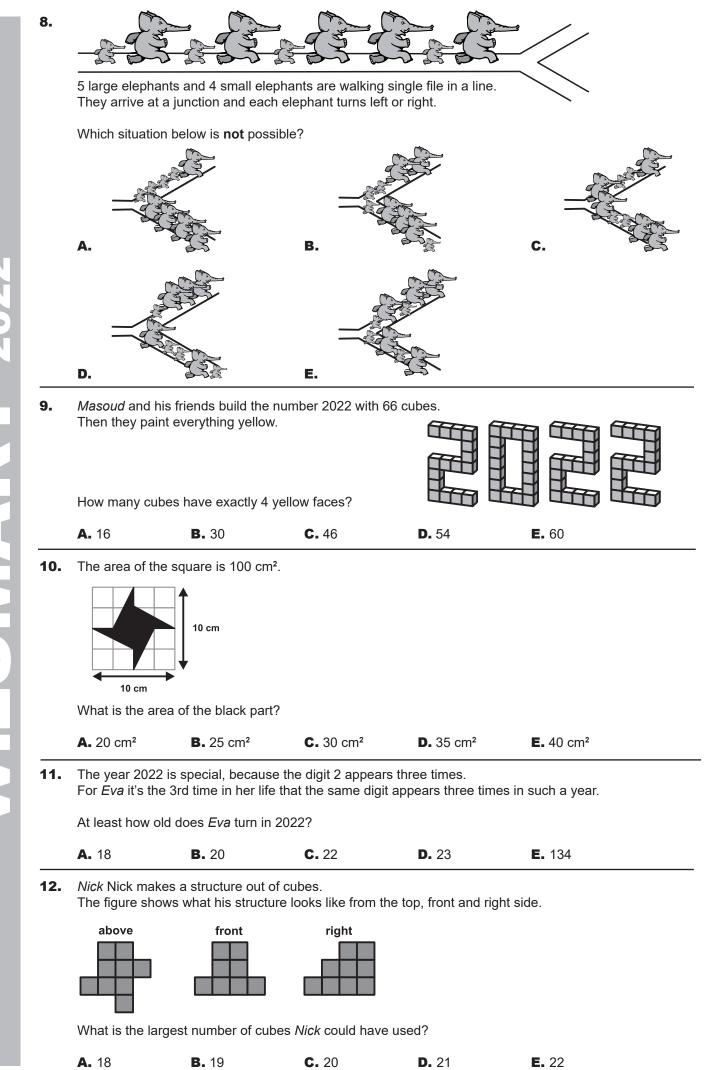




wizSMART groep 7 & 8 primary school

www.museumboerhaave.nl

WIZSART 2022	1.	In the picture above you see 6 dots. 15 <i>Maaike</i> connects the even-numbered dots, which creates a triangle. Then <i>Maaike</i> also connects the odd-numbered dots, which creates a second triangle. 24								
		Which figure doe				6 3				
		A.	в.	c.	D	E				
	2.	In a shop marbles are packaged in bags of 5, 10 and 25 marbles per bag. <i>Tom</i> wants to buy exactly 95 marbles.								
		What is the smallest number of bags he has to buy?								
		<b>A.</b> 4	<b>B.</b> 5	<b>C.</b> 7	<b>D.</b> 8	<b>E.</b> 10				
	3. The mirrors reflect a laser beam as shown in the picture on the left. $ \begin{array}{c}                                     $									
		<b>A.</b> A	<b>B.</b> B	<b>C.</b> C	<b>D.</b> D	<b>E.</b> E				
	4.	<ul> <li><i>Eileen</i> sails with her boat around 5 buoys, see picture.</li> <li>Around which buoys is she sailing counterclockwise?</li> <li>A. 1 and 3</li> <li>B. 1 and 4</li> <li>C. 1, 4 and 5</li> <li>D. 2 and 3</li> <li>E. 2, 3 and 5</li> </ul>								
	5.	There are a number of vehicles in a garage, see picture on the right. The vehicles can only move forward or backward.								
		What is the smallest number of vehicles you must move so that the black car can get out?								
		<b>A.</b> 2	<b>B.</b> 3	<b>C.</b> 4	<b>D.</b> 5	<b>E.</b> 6				
	6.	Bodil arranges these 7 cards with numbers in a different order to get the smallest possible         12 digit number.         4       69         9       51       5         67         What are the last 3 digits of this number?								
		<b>A.</b> 113	<b>B.</b> 459	<b>C.</b> 679	<b>D.</b> 699	<b>E.</b> 967				
	7.	Which part of a whole turn does the Ferris wheel have to rotate so that there is a white wagonat the top?								
		<b>A.</b> <sup>1</sup> / <sub>12</sub>	<b>B.</b> $\frac{1}{6}$	<b>c.</b> <sup>1</sup> / <sub>3</sub>	<b>D.</b> <sup>1</sup> / <sub>2</sub>	<b>E.</b> <u>5</u>				



13.		the number 12 and she performs a ca		s. to the arrows in th $x_4$	e square. ?						
	What number	will she end up wit	h at the question m	ark?		<b>_</b>					
	<b>A.</b> 3	<b>B.</b> 6	<b>C.</b> 12	<b>D.</b> 24	<b>E.</b> 48						
14.		umn and set of 4 co		ist contain the num n mark?	bers 1, 2, 3 and 4.	) ) )					
	<b>A.</b> 1	<b>B.</b> 2	<b>C.</b> 3	<b>D.</b> 4	<b>E.</b> you canr	not know					
15.	The paper is n so that a squa	shows a transparen low folded twice, or re of 2 by 2 cm is c le folded piece of p	n each of the dotted reated.	easuring 4 by 4 cm. d lines,							
16.		B. B. e numbers 3, 4, 5, ne three numbers in		<b>D.</b> circles, as shown i al.	n the picture.						
	What is the greatest possible outcome?										
	<b>A.</b> 16	<b>B.</b> 18	<b>C.</b> 20	<b>D.</b> 22	<b>E.</b> 28						
17.	The stack of 8 How tall is a st	glasses is 42 cm t tack of 6 glasses?	all. The stack of 2 (	s shown in the pictu glasses is 18 cm tal	Ι.						
18.	A. 22 cm       B. 24 cm       C. 28 cm       D. 34 cm       E. 40 cm         Werner makes calculations by writing a number in each box. He always chooses four out of the numbers 2, 3, 4, 5 and 6. He always makes sure that the calculation is correct.       +       -       =       =										
	-	the five numbers co	_	y box?							
	<b>A.</b> 1	<b>B.</b> 2	<b>C.</b> 3	<b>D.</b> 4	<b>E.</b> 5						

