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FLEXIQ PLAY - ADAPT - GROW





Relatiegeschenken & Promotieartikelen www.idpremiums.nl



www.mathplay.eu

NUMWORKS





www.platform



GOOD LUCK AND MOST OF ALL HAVE FUN !

WWW.W4KANGOEROE.NL

WERELDWIJDE

WISKUNDE

WEDSTRIJD



calculators are not allowed



Only a pencil, an eraser and scribbling paper are allowed

answers will be posted

on the website about



50 minutes

you may use



results and prizes will arrive at school at the end of May

solutions will be posted on the website about April 20th



March 29th



www.museumboerhaave.nl

1.	In one place, top of each ot	2 of the same squ	t along the dashed line ares will end up on ?			
	A. 🔀	в.	c.	d. O	E.	
2.	Each square h	nas a number (see ollowing numbers	jumps to the next squa e picture). will certainly be one of			
	A. 13	on her right foot? B. 15	C. 20	D. 21	E. 23	ـــــــــــــــــــــــــــــــــــــ
3.			wants to draw the figu		3 cm	
	What is the sh	ortest total length	he could draw?		1 cm	cm
	A. 6 cm	B. 7 cm	C. 8 cm	D. 9 cm	E. 10 cm	
4.	<i>Emma</i> has 6 p	ouzzle pieces to n	nake a caterpillar.			
	ĊC					
	She wants to	make a caterpillar	with a head, a tail and	l either 1 or 2 puz	zle pieces in bet	ween.
	How many dif	ferent caterpillars	could she make?			
	A. 4	B. 6	C. 8	D. 10	E. 12	
5.	Which of the f		s. must you put on the re-	ctangle to make]
	both children t				╴╴ ┍╴╷╷┝	$\langle $
6.	<i>Martin</i> puts the He can only p	e boxes on the gr ick one box at a ti	as in the picture on the ound. me, on which there is r on top of another box.	no other box on to	op of it.	E F C D S
	Which of the f	ollowing stacks ca	an he not make?			
	B D A C F E	B. E F		D. F. C.	E. F	A B E

7. The outer wheel rotates clockwise one place per minute. The inner wheel rotates exactly one place anti-clockwise per minute (see pictures). Which number stands in front of the letter F at the moment number 2 is in front of the letter C? starting position after 1 min **A.** 1 **B.** 4 **C.** 5 **D.** 6 **E.** 7 8. Simon takes 4 cups from the cupboard and puts them randomly on the 4 saucers. Which statement is correct? **A.** It is certain that none of the 4 cups stands on its matching saucer. **B.** It is certain that exactly 1 cup stands on its matching saucer. **C.** It is impossible for exactly 2 cups to stand on their matching saucer. **D.** It is impossible for exactly 3 cups to stand on their matching saucer. E. It is impossible for all 4 cups to stand on their matching saucer. 9. Peter has a package of 445 g and the following 8 weights: 500 200 200 100 He puts the package on the scale, as shown in the picture. What is the minimum number of weights he needs to balance the scale? **A.** 2 **B.** 3 **C.** 4 **D.** 5 **E.** 6 Dana wonders what this structure looks like from the back when 10. the coloured bars are on the ground. What is the correct answer? 11. In a hotel, the rooms are numbered in ascending order from number 1. Fenna looks at all the numbers and sees 14 times the digit 2 and 3 times the digit 5. At most how many rooms can there be in the hotel? **A.** 25 **B.** 26 **C.** 34 **D.** 35 **E.** 41 12. Rosa draws a tower of rectangles that are all of the same size. The width of the tower is 45 cm and the height of the tower is 30 cm. What is the area of 1 rectangle? A. 24 cm² **B.** 27 cm² **C.** 30 cm² **D.** 33 cm² E. 36 cm²

	How many different numbers are on the 16 beads?						
	A. 9	B. 10	C. 13	D. 14	E. 16	000	
14.	Below you ca	an see 8 digits in B	sraille.				
	001 0	0 0 2 0 0 3 0 0 3	•• ••4 ••5 ••5		7 00 8		
	How many di	ifferent 2-digit num	bers are there with ex	actly 5 black dots	?		
	A. 10	B. 12	C. 20	D. 22	E. 24		
15.	They both ha <i>Kirsten</i> slides	2 identical rectangle ave an area of 18 c s the 2 rectangles o tangle has the size	s.				
	What is the a	area of this new rec	ctangle?				
	A. 24 cm ²	B. 27 cm ²	C. 30 cm ²	D. 33 cm ²	E. 36 cm ²		
16.	For the first s For the second side into 3 econd		nts of each side are us ke 4 small squares by			\bigcirc	
16.	For the first s For the secon side into 3 ec The area of t	square, the midpoir nd square you mał qually long parts. he grey part in the	nts of each side are us ke 4 small squares by first square is 9.	dividing each ∢			
16.	For the first s For the secon side into 3 ec The area of t	square, the midpoir nd square you mał qually long parts. he grey part in the	nts of each side are us ke 4 small squares by	dividing each ∢	E. 12		
16. 17.	For the first s For the second side into 3 econd The area of t What is the a A. 4 The Municipal routes on the	area of the grey par B. 8 al Council of Kang map.	nts of each side are us ke 4 small squares by first square is 9. rt in the second squar	dividing each e? D. 10 lour the 7 metro	E. 12		
	For the first s For the second side into 3 econd The area of t What is the a A. 4 The Municipal routes on the Routes that c	area of the grey part B. 8 al Council of Kang map. cross each other sh	nts of each side are us ke 4 small squares by first square is 9. rt in the second squar C. 9 paroo City wants to col	dividing each e? D. 10 lour the 7 metro me colour.			
	For the first s For the second side into 3 ex The area of t What is the a A. 4 The Municipal routes on the Routes that of What is the la A. 3	area of the grey part B. 8 al Council of Kang e map. cross each other sh east number of col- B. 4	nts of each side are us ke 4 small squares by first square is 9. rt in the second squar C. 9 paroo City wants to col hould not have the sam	dividing each e? D. 10 lour the 7 metro me colour. 10 20 30 D. 6	4 5 4 5 6 E. 7		

A. 36

B. 40

C. 44

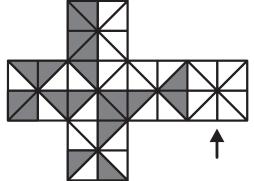
D. 48

E. 52



What is the sum of the numbers written on the bottoms of these dice?

A. 26 **B.** 40 **C.** 43 **D.** 47 **E.** 56 20. The figure alongside shows a beehive with 16 houses. Some of the houses contain honey. The numbers in each house indicate the number of neighbours of that house who contain honey. According to these numbers, how many houses with honey are there in the whole beehive? **C.** 9 **A.** 7 **B.** 8 **D.** 10 **E.** 11 21. Coen wants to fold a cube from this net.



How should the white square (see arrow) be coloured so that the triangles with the same colour touch each other?



22. Grandma has a big bag of candies. She divides the candies evenly among her grandchildren. She gives each grandchild a little bag with the largest number of candies possible. When she is done, there are 20 candies in each little bag. She sees now that she has 12 candies left.

What is the smallest possible number of candies that were in the big bag?

	A. 52	B. 232	C. 272	D. 411	E. 432			
23.	<i>Jarin</i> plans to saw a board into 12 equal pieces. He marks the places where he should saw. <i>Mohammed</i> wants to saw the same board into 16 equal pieces and he also marks the places where he needs to saw. Then <i>Maya</i> sawed the board on all the marked places.							
	How many pieces did <i>Maya</i> get after that?							
	A. 24	B. 25	C. 27	D. 28	E. 29			
24.	<i>Ava</i> writes a 3-digit number on the board. Then <i>Brandon</i> writes a fourth digit to the right of <i>Ava's</i> number. He says "Look! The number increased by 2024".							
	Which digit did <i>Brandon</i> write?							
	A. 2	B. 3	C. 4	D. 8	E. 9			