

all have fun.

© Stichting Wiskunde Kangoeroe



calculators are not allowed



you may use 50 minutes





scribbling paper is allowed



results and prizes will arrive at school in May





answers will be posted on the website March 28th



solutions will be posted on the website April 19th



wizKID groep 5 & 6 primary school











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www.museumboerhaave.nl



1.

	A	A A A		M M M	
2.	In an arithmetic book is this stained sum: 4 + 5 = 104. Underneath each stain is the same digit. Which digit?				
	A. 2	B. 4	C. 5	D. 7	E. 8
3.	How will this sequence of circles continue?				
	○○∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞∞				
	A. 0000	в. 🔾	c .0000	D.	E.0000
4.	Charles has 24 sweets. He gives all his sweets to his friends. Everyone gets the same amount of sweets. How many friends can Charles not have?				
	A. 2	B. 3	C. 4	D. 5	E. 6
5.	2012 Olympic Games medals in London.				
	9 46 ANTIS	29) 8		S (38)	(27)
	America			China	
	•	ore medals than			F 00
	A. 6	B. 14	C. 16	D. 24	E. 26
6.	Vera's mum is preparing toasted sandwiches. For one toasted sandwich you need two slices of bread. One whole loaf of bread has 24 slices. How many toasted sandwiches can she prepare with two and a half loafs of bread?				
	A. 24	B. 26	C. 30	D. 34	E. 48
7.	About the number 325 five children state the following: Alex: 'This is a three-digit number'. Dana: 'All digits are different'. Eve: 'When I add the digits, I will get 10'. Fred: 'The digit at the position of the units is 5'. Charles: 'All digits are odd'. Who of the children is wrong?				
	A. Alex	B. Dana	C. Eve	D. Fred	E. Charles

In which figure do you see more black kangaroos than white kangaroos?

How many triangles can be found in the drawing?

C. 11

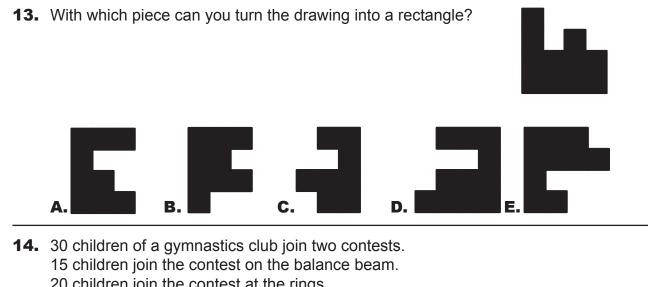
D. 12

E. 13

B. 10

8.

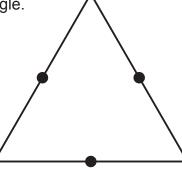
A. 9



- 20 children join the contest at the rings. How many children join both contests?
 - **A.** 5
- **B.** 10
- **C.** 15
- **D.** 25
- **E.** 30
- **15.** Dana, Eve, Fred and Charles have their birthday on February 20th, April 12th, May 12th and May 25th. They were all born in 2003. Eve and Dana have their birthday in the same month. Fred is exactly one month older than Dana. Who of these children is the eldest?
 - A. Dana
- B. Fve
- C. Fred
- D. Charles
- E. Dana and Fred
- **16.** You can divide the number 32 by its last digit: 32 : 2 = 16. You cannot divide 38 by its last digit: 38:8 is not possible. How many numbers from 21 up to 29 can be divided by their last digit?
 - **A.** 2
- **B.** 3
- **C.** 4
- **D.** 5
- **E.** 6
- **17.** *Emma* puts a dot in the middle of each side of the large triangle. She connects the three dots by three lines. Emma gets smaller triangles this way.

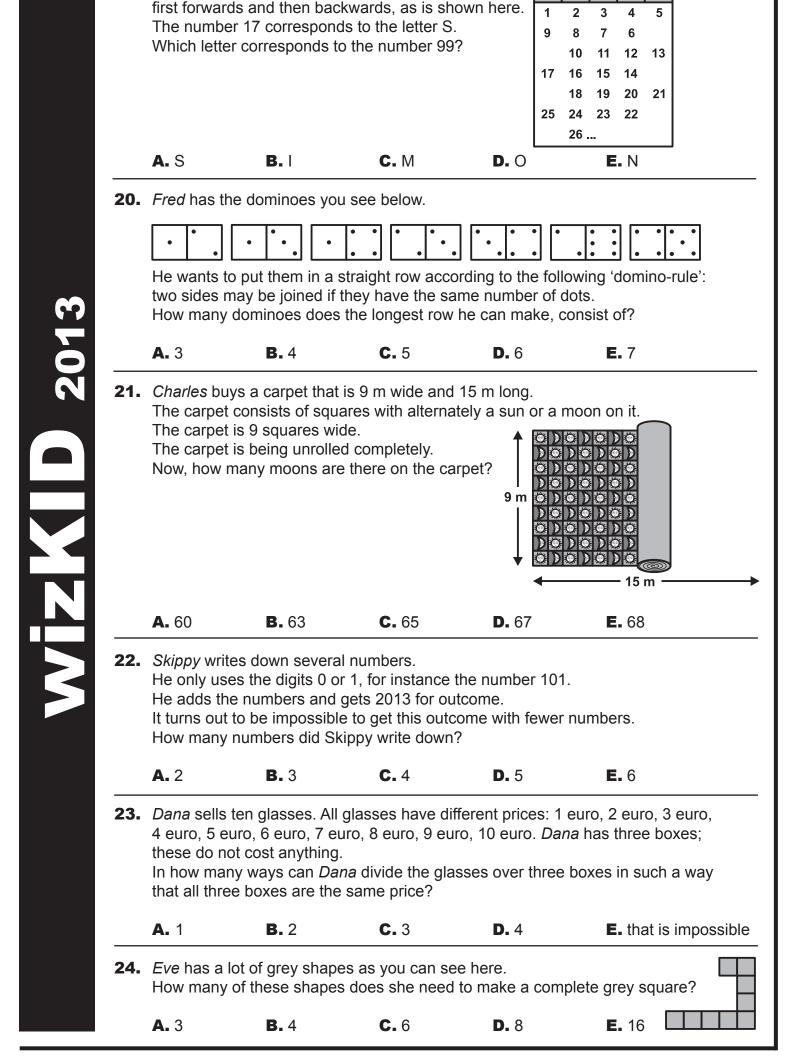
For each smaller triangle she repeats all this one more time.

This way *Emma* gets even smaller triangles.



How many?

- **A.** 5
- **B.** 8
- **C.** 10
- **D.** 16
- **E.** 32
- **18.** When you multiply the digits of the year 2013 you will get $2 \times 0 \times 1 \times 3 = 0$. When you add the digits you will get answer 6. Which year is the first after 2013 in which you will get a larger answer by multiplying the digits than by adding?
 - **A.** 2100
- **B.** 2111
- **C.** 2114
- **D.** 2115
- **E.** 2116



M

19. *Simon* counts the letters of his name.