

© Stichting Wiskunde Kangoeroe



calculators are not allowed



you may use 50 minutes





Only a pencel, an eraser and scribbling paper are allowed



results and prizes will arrive at school in May





answers will be posted on the website March 27th



solutions will be posted on the website April 20th

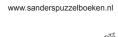


wizKID groep 5 & 6 primary school



zwijsen











www.ru.nl









www.museumboerhaave.nl

1. Which circle fits exactly on the centre of the star?









2. Jacky wants to place the digit 3 somewhere in between, in front or behind the digits of the number 2014. She gets a five digit number.

Where should she put the 3 for the number to be as small as possible?

- **A.** in front of the number 2014
- D. in between 1 and 4
- B. in between 2 and 0
- E. behind the number 2014
- C. in between 0 and 1
- 3. Which houses are made out of exactly the same triangles and rectangles?











A. 1, 4

B. 3, 4

C. 1, 4, 5

D. 3, 4, 5

- **E.** 1, 2, 4, 5
- 4. When *Koko* the Koala does not sleep, she eats 50 grams of leaves in one hour. Yesterday she slept for 20 hours.

How many leaves did she eat yesterday?

A. 0

B. 50

C. 100

D. 150

E. 200

5. Maria makes minus-sums (see figure).

> The answers are the numbers 0 up to and including 5. She writes down the answers next to the dots.

She connects the dots in the following order 0-1-2-3-4-5 Which shape does she get?

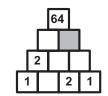






Monica makes a times-sum of numbers that are next to each other. 6. The answer she puts in the box above them.

Which number does she have to put in the grey box?



A. 0

B. 1

C. 2

D. 4

E. 8

7. Mister *De Bruin* has painted these flowers on the inside of his shop window.

What do these flowers look like on the outside of the window?

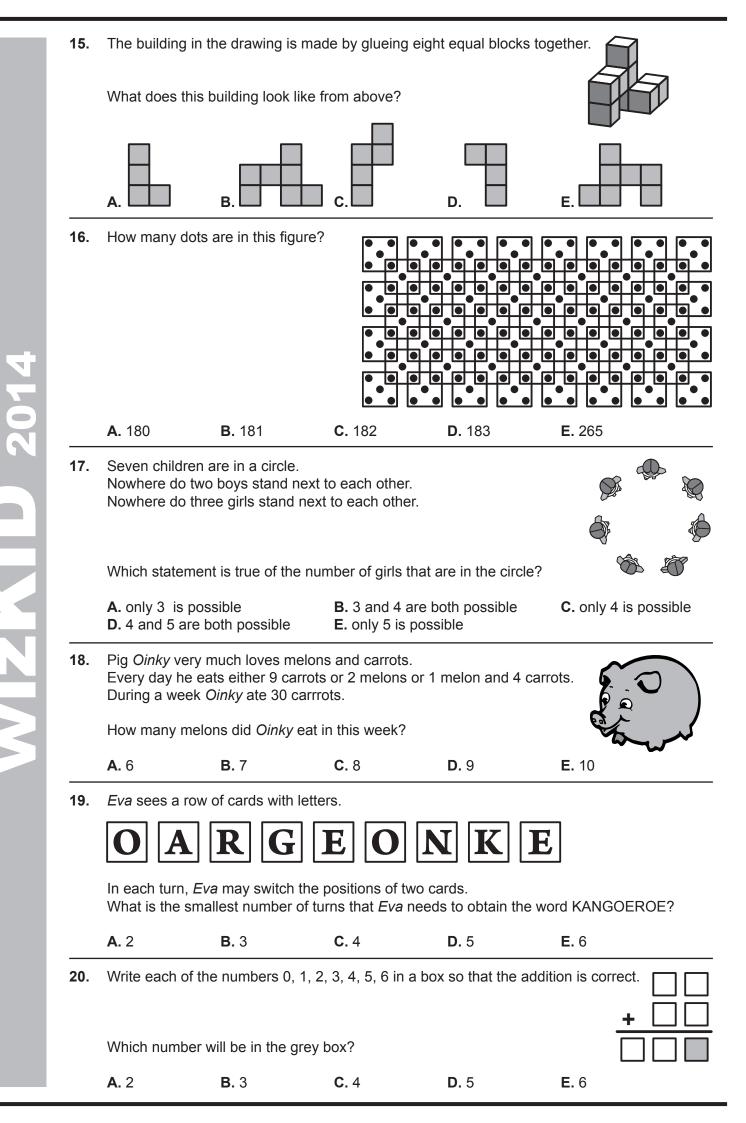












He received 20 Kang coins in return. Then he changed his mind and traded one toy for another one. He received another 5 Kang coins back. Which toys did *Angus* take from the shop? A. the train and the drum **B.** the train and the spinning-top **C.** the train and the rocking horse **D.** the duck and the rocking horse **E.** the spinning-top, the duck and the rocking horse 22. Hamish forms triangles using white and black diamonds. Below you see the first three of such triangles. At the bottom row the outer diamonds are always white. All other diamonds in the triangle are black. How many black diamonds does the triangle with number 6 have? **A.** 19 **B.** 21 **C**. 26 **E.** 34 **D**. 28 23. *Nick* has put the digits 1 to 9 in a square. *Nick* looks at digit 5. He discovers that the digits bordering 5 are 13 together. He discovers that the digits bordering 6 are also 13 together. Only four of the digits are shown in the square alongside. Which digit did *Nick* put in the grey box? **C**. 7 **A**. 5 **B**. 6 **D**. 8 **E**. 9 In the figure below *Victor* colours a number of squares grey. 24. He coulors them in such a way that there is nowhere a square like this What is the maximum number of squares he can colour?

C. 19

D. 20

E. 21

Kangaroo *Angus* bought toys and gave the shop owner 150 Kang coins.

21.

A. 17

B. 18