

# WERELDWIJDE WISKUNDEWEDSTRIJD

## W4KANGOEROE 2025



### WWW.W4KANGOEROE.NL

COMPETITION PERIOD

MARCH 20 TO 31

## GOOD LUCK AND MOST OF ALL HAVE FUN!

© Stichting Wiskunde Kangoeroe



calculators are not allowed



you may use 50 minutes



only a pencil, an eraser and scribbling paper are allowed



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



answers will be posted on the website about April 4<sup>th</sup>



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

wizKID  
group 5 & 6 primary school



Breng leren tot leven  
www.zwijzen.nl



www.e-nemo.nl



PLAY · ADAPT · GROW  
www.flexiq.nl



www.smart.be



www.schoolsupport.nl



www.idpremiums.nl



www.mathplay.eu



numworks.com



www.ru.nl



www.matific.com

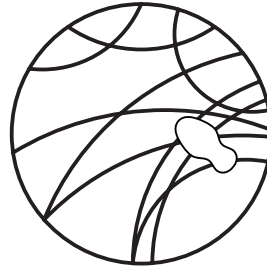


www.platformwiskunde.nl



www.museumboerhaave.nl

1. Alex steps on some tracks on the ground.



What is beneath her foot?

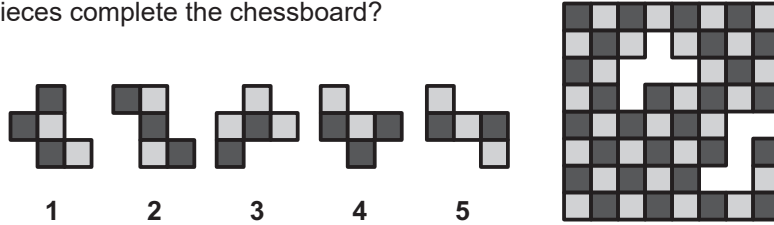
- A. B. C. D. E.

2. Mia adds small blocks one by one to build a big cube of 3 blocks wide, 3 blocks long and 3 blocks high. She took pictures at 5 different moments.

What does Mia's fourth picture look like?

- A. B. C. D. E.

3. Which 2 pieces complete the chessboard?



- A. pieces 1 and 2      B. pieces 1 and 5      C. pieces 3 and 4  
D. pieces 3 and 5      E. pieces 4 and 5

4. Simona writes the four numbers 2, 0, 2, 5 in the four boxes on the right.

$$\square + \square - \square + \square$$

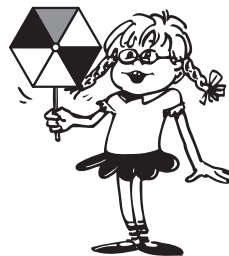
Which order gives the largest result?

- A. 0, 2, 2, 5      B. 0, 5, 2, 2      C. 2, 5, 2, 0      D. 5, 0, 2, 2      E. 5, 2, 0, 2

5. Which rope ties into a knot by pulling on its ends?

- A. B. C. D. E.

6. Larissa spins her windmill on the right. The mill starts to turn.



What might the mill look like after spinning?

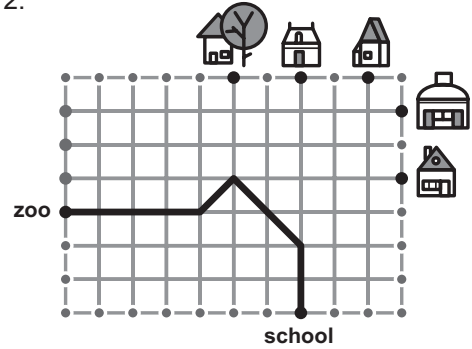
- A. B. C. D. E.

7. Which windmill can Jorge build with these 3 pieces?



- A. B. C. D. E.

8. *Kangoeroe* jumps from the school to the zoo as follows:  $\uparrow 2$ ,  $\nwarrow 2$ ,  $\checkmark 1$ ,  $\leftarrow 4$  (see the drawing). Now she jumps from the zoo as follows:  $\rightarrow 3$ ,  $\nearrow 2$ ,  $\uparrow 2$ .



Which house will she get to?

- A. B. C. D. E.

9. On a normal die, the total number of spots on 2 opposite faces is always 7. Only one of the dice below is a normal die.

Which one is it?

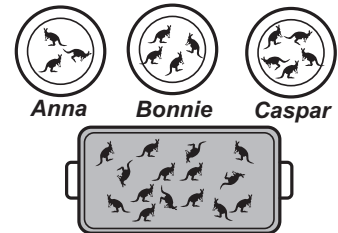
- A. B. C. D. E.

10. *Nico* and his sister pay with shells and marbles in their playshop. Each shell has a value of 6 and each marble has a value of 1.

At which letter do you see a total value of 16?

- A. B. C. D. E.

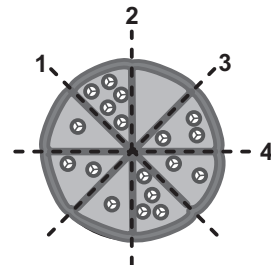
11. *Anna*, *Bonnie* and *Caspar* already have some kangaroo cookies on their plates. They divide the 15 cookies left on the baking tray. Then everyone has the same number of cookies on their plates.



How many more cookies does *Anna* get?

- A. 4 B. 5 C. 6 D. 7 E. 8

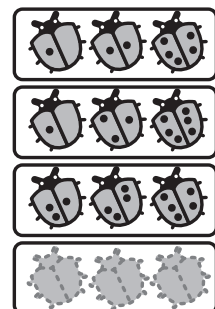
12. *Tom* divides a pizza into 2 halves. There should be the same number of tomatoes on each half. He can do this in 2 different ways.



Along which lines could he cut?

- A. 1 and 3 B. 1 and 4 C. 2 and 3 D. 2 and 4 E. 3 and 4

13. 6 ladybugs each have 1, 2, 3, 4, 5 or 6 dots. *Marta* chooses 3 ladybugs each time and takes a photo. She does this 4 times. Each ladybird appears the same number of times in the photos. On the right are the first 3 photos.



How many dots do the 3 ladybugs in *Marta's* fourth photo have in total?

- A. 9 B. 10 C. 11 D. 12 E. 23

14. In the petting zoo, René feeds 6 sheep.

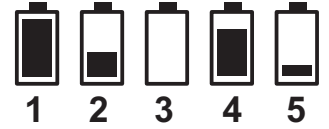


The 6 sheep get a total of 210 grams of dry food for lunch.  
She gives the smallest sheep twice as much dry food as every other sheep.

How much dry food does the smallest sheep get?

- A. 55 grams    B. 60 grams    C. 70 grams    D. 75 grams    E. 80 grams

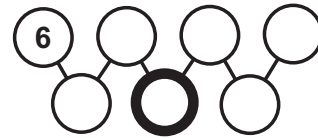
15. 5 friends have an identical mobile phone.  
In the morning, all the phones are fully charged.  
In the evening, the phones' batteries look like as shown in the picture.  
Bob made as many calls today as Ann and Cristina together.  
Bob's battery is dead.  
David hasn't used his phone at all



Which phone belongs to Edward?

- A. 1    B. 2    C. 3    D. 4    E. 5

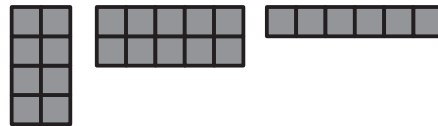
16. Maria fills the empty circles with the numbers 1, 2, 3, 4, 5 and 7.  
She gets the number in a bottom circle by adding the 2 numbers in the 2 circles above it.



Which number will be in the circle with the wide border?

- A. 2    B. 3    C. 4    D. 5    E. 7

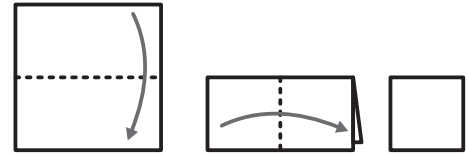
17. Bob makes a square of 4 pieces.  
3 of these pieces you see on the right.



What does the fourth piece look like?

- A.    B.    C.    D.    E.

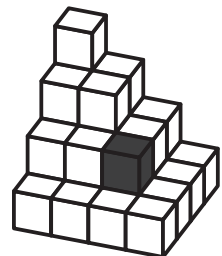
18. Nela folds a paper square in half and then in half again.  
Next she cuts pieces out of the folded paper.  
After unfolding, she sees a paper snowflake.



How did she cut?

- A.    B.    C.    D.    E.

19. Leonie has built the pyramid on the right with black and white cubes.  
Each cube is not above, below or next to a cube of the same colour.  
You can see one of the black cubes in the drawing.



What will Leonie's pyramid look like from above?

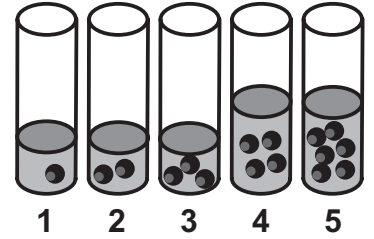
- A.    B.    C.    D.    E.

20. The picture shows one month of a calendar.  
The dates are missing.  
The total of the dates for the two grey boxes is 29.

Mon	Tue	Wed	Thu	Fri	Sat	Sun

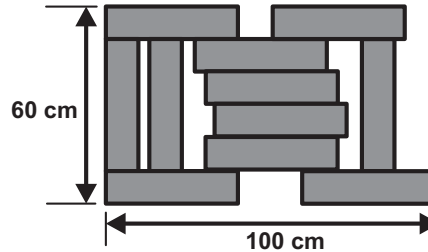
On what day of the week does the first day of the month fall?

- A. Monday      B. Tuesday      C. Wednesday      D. Thursday      E. Friday
- 
21. 16 identical balls have been placed in 5 identical tubes, as shown.  
The water levels in tubes 1, 2 and 3 are the same.  
The water levels in tubes 4 and 5 are also the same.  
The water level in tube 4 is twice as high as in tube 1.  
Then, all the balls are removed.



Which tube now has the least water?

- A. in tube 1      B. in tube 2      C. in tube 3      D. in tube 4      E. in tube 5
- 
22. A construction consists of 11 identical bricks.  
The construction has a length of 100 cm and a height of 60 cm.



What is the size of 1 brick?

- A. 40 cm long, 8 cm high      B. 40 cm long, 10 cm high      C. 40 cm long, 12 cm high  
D. 44 cm long, 8 cm high      E. 50 cm long, 10 cm high
- 

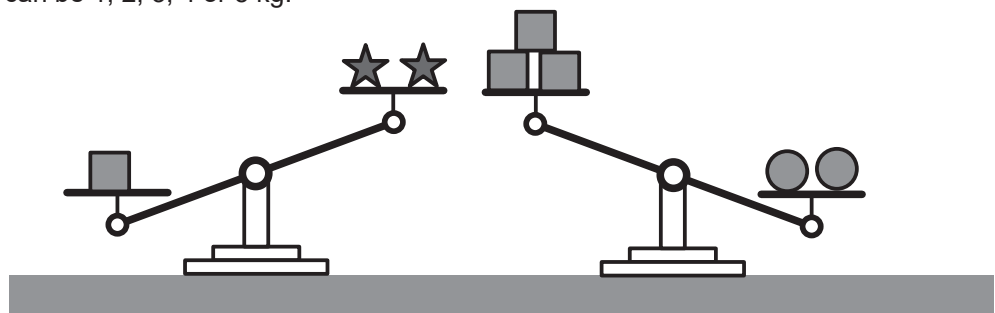
23. Rosa writes down the number of pieces of fruit that she has.  
Unfortunately, her paper has been partly covered by paint.  
In total, there are 106 pieces of fruit.  
The number of pieces of 2 types of fruit Rosa has are equal.  
She has twice as many of 1 type of fruit as she does of some other type.  
She has more than 10 pieces of each type of fruit.

2 mangoes
0 apples
1 pears
3 bananas
30 oranges
<hr/> 106

How many bananas are there?

- A. 13      B. 23      C. 43      D. 53      E. 63
- 

24. 2 scales are used to weigh ★, ● and ◻.  
A star, a circle and a square all have a different weight.  
The weight can be 1, 2, 3, 4 or 5 kg.



How much does one ◻ weigh?

- A. 1 kg      B. 2 kg      C. 3 kg      D. 4 kg      E. 5 kg