

WereldWijde WiskundeWedstrijd
W4Kangoeroe
 THURSDAY MARCH
 21TH 2019

WWW.W4KANGOEROE.NL

Good luck and most of
 all have fun.

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calculators are not allowed



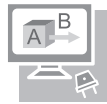
30 minutes for 12 questions (group 3)
60 minutes for 24 questions (group 4)
results and prizes will arrive at school at the end of May



Only a pencil, an eraser and scribbling paper are allowed



answers will be posted on the website about March 31th



solutions will be posted on the website about April 22th

wizFUN
group 3 & 4 primary school



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www.e-nemo.nl



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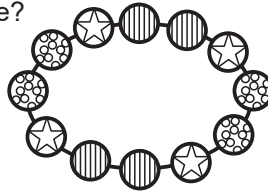


www.knbb.nl

1. Which cloud has only numbers less than 7?



2. Which one is a part of this necklace?



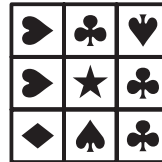
3. Together, mother *Kangoo* and her son *Sam* weigh 20 kg. Mother weighs 14 kg.



How much does *Sam* weigh?

- A. 3 kg B. 6 kg C. 10 kg D. 17 kg E. 34 kg

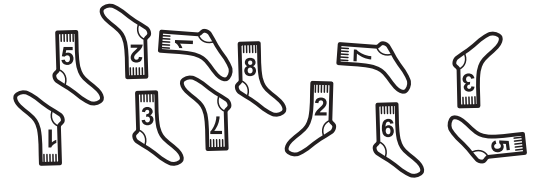
4. *Karin* wants to cut out a piece of this picture.



Which is the piece she cannot cut out?



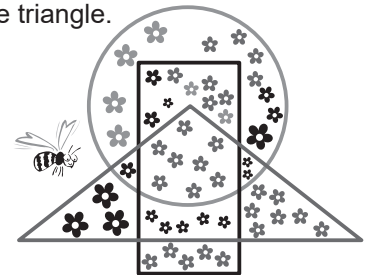
5. These are all of *Jorg's* socks. Some socks are missing. Socks with the same number form a pair.



How many pairs of socks does *Jorg* still have?

- A. 3 B. 4 C. 5 D. 6 E. 8

6. *Maya the Bee* visits the flowers within the rectangle, but outside the triangle.



How many flowers does *Maya* visit?

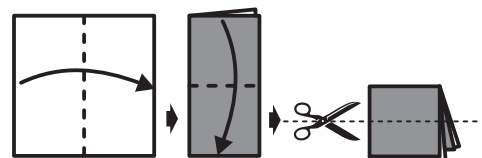
- A. 13 B. 14 C. 19 D. 22 E. 26

7.



- A. 6 euros B. 7 euros C. 8 euros D. 9 euros E. 10 euros

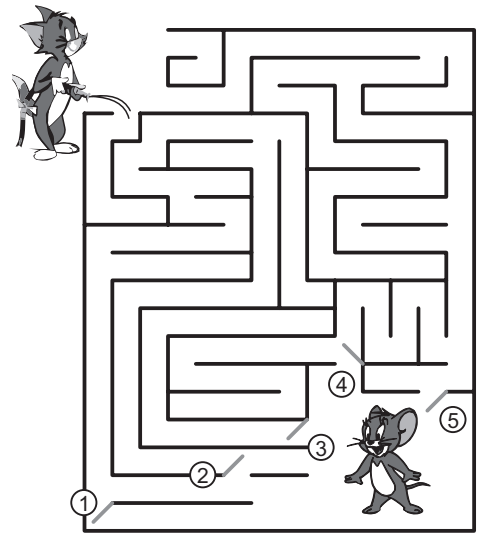
8. *Kevin* folds a sheet of paper in 2. He does so twice. Then he cuts it. See alongside.



How many pieces of paper does *Kevin* have then?

- A. 2 B. 3 C. 4 D. 5 E. 6

9. Cat *Tom* wants to squirt mouse *Jerry*.



Which 2 gates should *Jerry* close to stay dry?

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

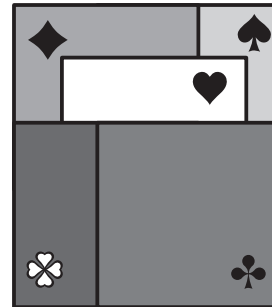
10. In front of the zoo 12 children are in a queue.
Julia is 7th from the front and *Kim* is 2nd from the back.



How many children are between *Julia* and *Kim*?

- A. 2
- B. 3
- C. 4
- D. 5
- E. 6

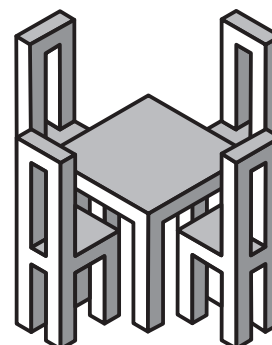
11. 5 square cards are stacked, see picture.
The cards are taken from the stack 1 by 1.



In what order will the cards be taken?

- A. ♦ ♥ ♣ ♠ ♣
- B. ♠ ♣ ♥ ♣ ♦
- C. ♣ ♥ ♣ ♦ ♠
- D. ♣ ♥ ♣ ♠ ♦
- E. ♣ ♣ ♥ ♦ ♠

12. In the picture you see a square table.
4 children can sit at this table.
With 4 such tables you can make one long table.



How many children can sit at that long table?

- A. 4
- B. 6
- C. 10
- D. 12
- E. 16

13. 4 strips are woven according to the picture.



What do you see when you look from the back?

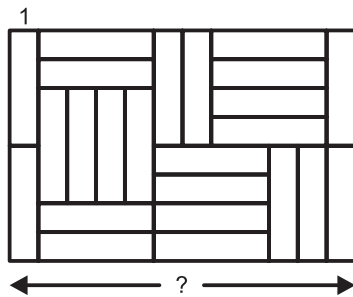
- A. B. C. D. E.

14. Vera glues 4 little blocks together and paints them afterwards.

For which building does she need the least paint?

- A. B. C. D. E.

15. The floor below is laid with similar rectangular boards 1 meter wide.



How long is the side with the question mark?

- A. 6 meters B. 8 meters C. 10 meters D. 11 meters E. 12 meters

16. A shape has been cut into 3 pieces.



Which shape is that?

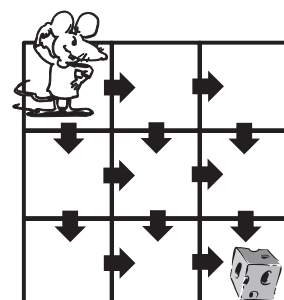
- A. B. C. D. E.

17. On some farm are only cows and sheep.
There are 8 sheep more than there are cows.
There are twice as many sheep as there are cows.

How many animals are on the farm?

- A. 16 B. 18 C. 20 D. 24 E. 28

18. The mouse wants to get to the cheese.
He may only go from one box to another following the arrows.



How many routes are there?

- A. 2 B. 3 C. 4 D. 5 E. 6

19. A zoo has camels and dromedaries. All together there are 10.
A camel has 2 humps and a dromedary has 1 hump. The 10 animals have 14 humps in total.

How many camels are there?

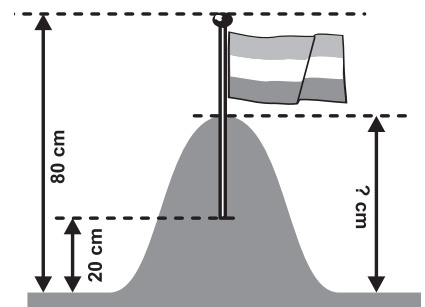
- A. 1 B. 2 C. 3 D. 4 E. 5

20. The squirrels *Chip*, *Munch* and *Dale* together have collected 7 nuts.
Each has a different number of nuts. Each has at least 1 nut.
Munch has the least number of nuts. *Chip* has the most nuts.

How many nuts does *Dale* have?

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

21. *Tim* and *Tom* make a sand hill on the beach and put a flag on it.
They stuck half of the flagpole into the highest point of the sand hill.
The highest point of the flagpole is 80 cm above the beach.
The lowest point of the flagpole is 20 cm above the beach.



What is the height of the hill?

- A. 40 cm B. 45 cm C. 50 cm D. 55 cm E. 60 cm

22. I have got a sequence of 9 squares:
Anna makes all black squares white.
Next *Bob* makes all grey squares black.
Then *Chris* makes all white squares grey.



What does my sequence of squares look like now?

- A. B.
 C. D.
 E.

23. From this table, *Ibrahim* chooses a square of 4 cells bordering each other.
He adds up the numbers in these 4 cells.
His answer is more than 63.

1	2	3	4	5
6	7	8	9	10
11	12	13	14	15
16	17	18	19	20

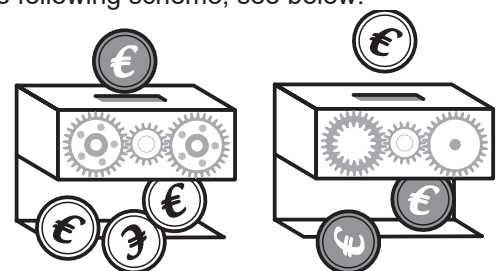
Which of the following numbers must be in *Ibrahim's* square for sure?

- A. 8 B. 10 C. 14 D. 15 E. 18

24. *Annika* has 2 machines that change coins according to the following scheme, see below.
Annika has the following coins right now:



She uses a machine 3 times.



What is the smallest number of coins she can get?

- A. 5 B. 6 C. 7 D. 8 E. 9