

wereldwijde
wiskunde wedstrijd
W4Kangoeroe
www.w4kangoeroe.nl

March 20th 2014



Good luck and most of
all have fun.

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calculators are not
allowed



30 minutes for 12
questions

60 minutes for 24
questions



Only a pencil, an
eraser and scribbling
paper are allowed



results and prizes will
arrive at school in May



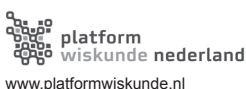
answers will be posted
on the website March
27th



solutions will be
posted on the
website April 20th

wizFUN
group 3 & 4 primary school

zwijzen



www.zozitdat.nl



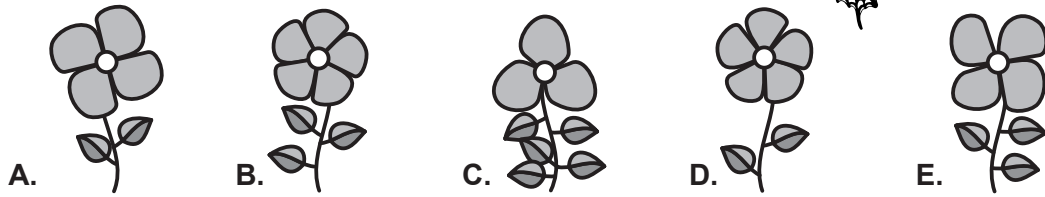
www.cito.nl



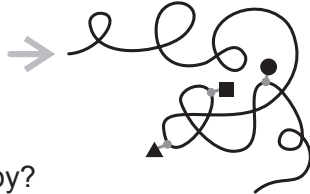
www.museumboerhaave.nl

1. A butterfly lands on the flower with five petals and three leaves on the stem.

Which flower did the butterfly land on?



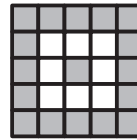
2. Start at the arrow.



What do you pass by?

- A. -▲-■-●- B. -▲-●-■- C. -●-▲-■- D. -■-▲-●- E. -■-●-▲-

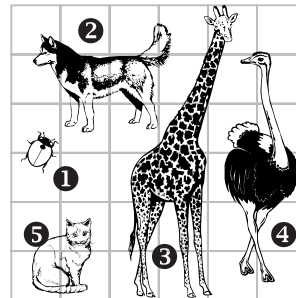
3. There are more grey squares than white ones.



How many more?

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

4. Line up all animals from smallest to biggest.



Which animal will be in the middle?

- A. ① B. ② C. ③ D. ④ E. ⑤

5. Anne has twelve of these tiles:

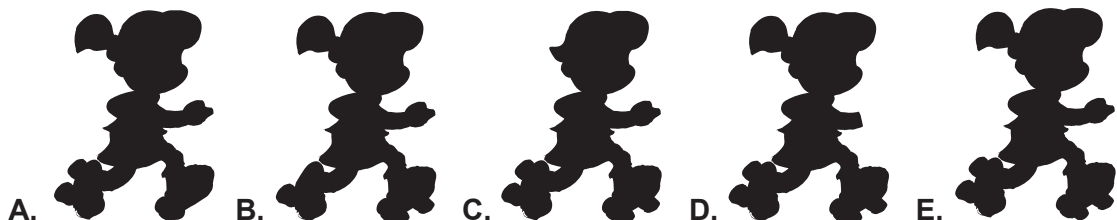
She creates one curved line with them from left to right.



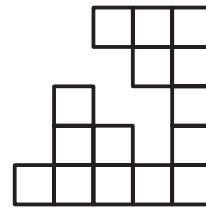
How does the line end?

- A. B. C. D. E. you cannot tell

6. Which one is the shadow of the girl on rollerskates?



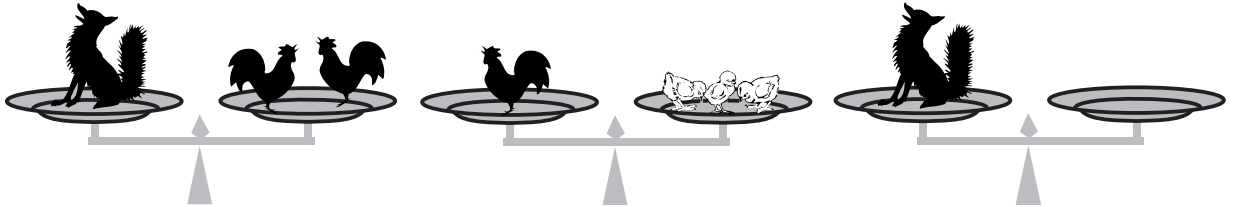
7. A square had 25 blocks, but some blocks are gone.



How many blocks are gone?

- A. 6 B. 7 C. 8 D. 10 E. 12

8. How many little chicken have to be on the empty scale?



- A. 3 B. 4 C. 5 D. 6 E. 7

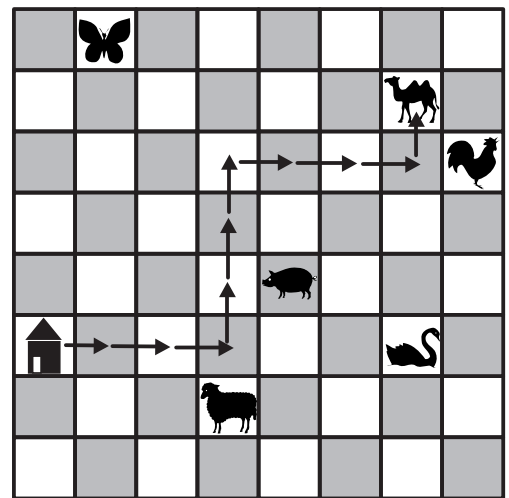
9. Follow from  the arrows 3→, 3↑, 3→, 1↑.

You will meet the camel.

Now follow from  the arrows

2→, 2↓, 3→, 3↑, 2→, 2↑

Which animal will you meet then?



- A.  B.  C.  D.  E. 

10. A square is cut into four pieces.

What is impossible to make with these four pieces?



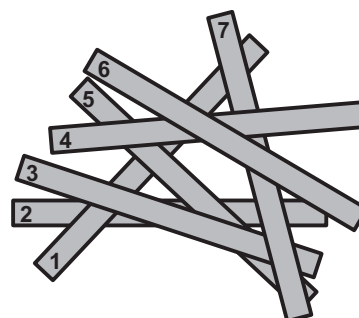
- A.  B.  C.  D.  E. 

11. Which grey form fits upside down in the black form?



- A.  B.  C.  D.  E. 

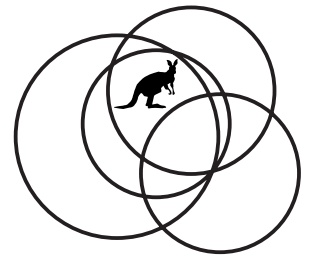
12. Seven sticks lie on top of each other.
Number 2 is at the bottom.
Number 6 is on top.



Which stick is in the middle?

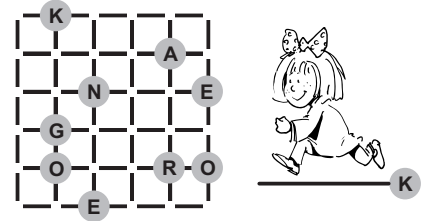
- A. 1 B. 3 C. 4 D. 5 E. 7

13. How many circles surround the kangaroo?



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

14. *Anne* walks the shortest route along the lines. The route from K to A is four pieces long. She starts at K. She follows the letters K-A-N-G-O-E-R-O-E. How many pieces is the shortest route?



- A. 16 B. 17 C. 18 D. 19 E. 20

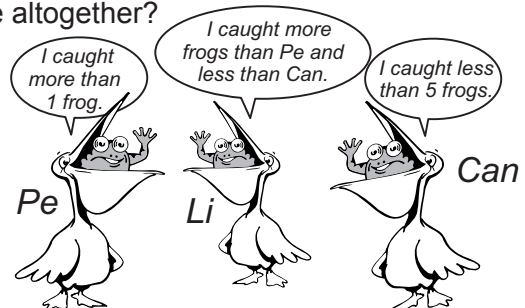
15. *Tony* has six cards:



How many numbers between 10 and 30 can *Tony* make with these cards?

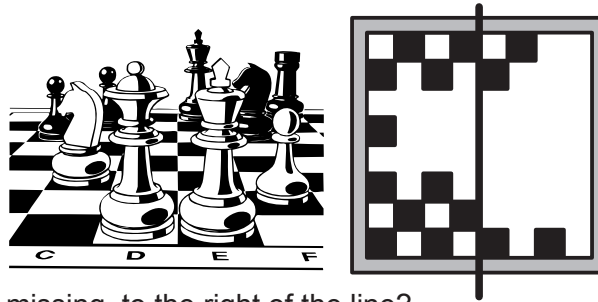
- A. 2 B. 4 C. 6 D. 7 E. 8

16. How many frogs do the three pelicans have altogether?



- A. 1 B. 2 C. 4 D. 9 E. 12

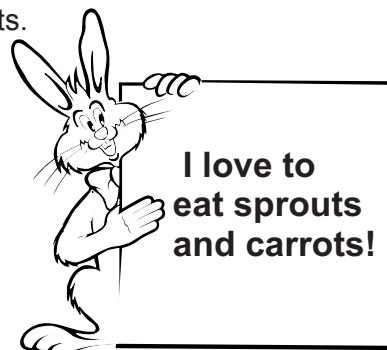
17. Look at the chess board.



How many black squares are missing to the right of the line?

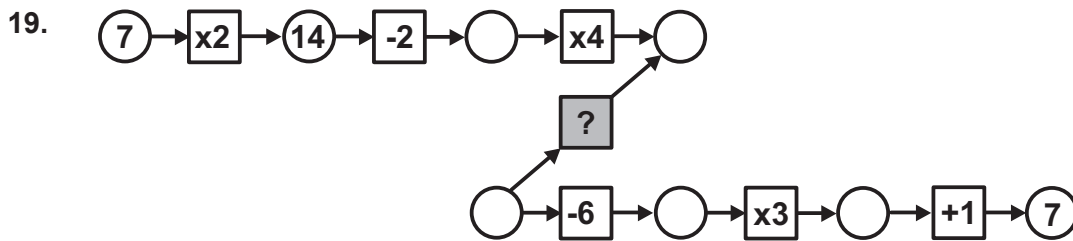
- A. 12 B. 13 C. 14 D. 15 E. 16

18. Each day *Miffy* eats either 10 sprouts or 2 carrots. Last week she ate 6 carrots



How many sprouts did *Miffy* eat last week?

- A. 20 B. 30 C. 34 D. 40 E. 50



What is in the empty grey block with the question mark?

- A. B. C. D. E.

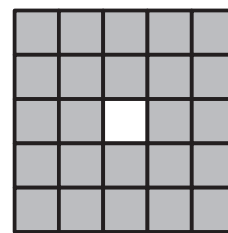
20. Place the digits 2, 3, 4 and 5 in the squares and calculate the sum.



What is the largest result you can get?

- A. 68 B. 77 C. 86 D. 95 E. 97

21. The little square in the middle is missing. You cut the rest in *equal* pieces.



Which shape is *not* possible for that piece to have?

- A. B. C. D. E.

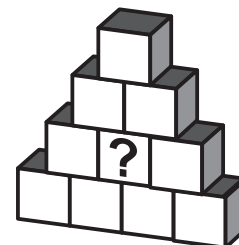
22. To calculate $2 \times 3 \times 15$ on his calculator *Billy* has to push a button seven times:



Billy wants to multiply all numbers from 3 up to (and including) 21 on his calculator. How many times does he have to push a button at least?

- A. 19 B. 31 C. 37 D. 50 E. 60

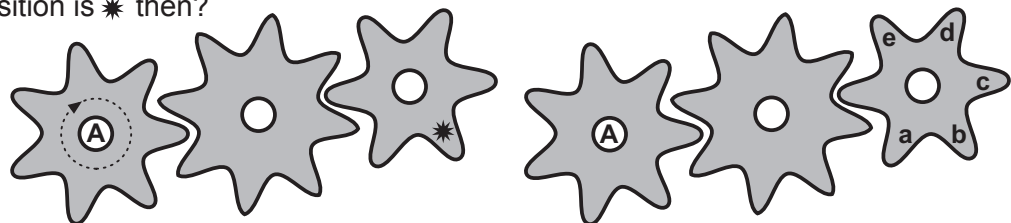
23. *Adri* builds a wall of ten blocks: 4 red ones, 3 blue ones, 2 green ones and 1 yellow one. Blocks of the same colour do not touch each other.



Of which colour is the middle block?

- A. red B. blue C. green D. yellow E. it is impossible

24. Cog-wheel A makes one complete turn clockwise. In which position is * then?



- A. a B. b C. c D. d E. e