

wereldwijde  
wiskundewedstrijd  
**W4Kangoeroe**

[www.w4kangoeroe.nl](http://www.w4kangoeroe.nl)

March 19th  
2015

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 in May



Only a pencil, an  
eraser and scribbling  
paper are allowed



answers will be posted  
on the website March  
26th



solutions will be  
posted on the website  
April 19th

wizFUN  
group 3 & 4 primary school

zwijzen

**NEMO** Science  
Center  
[www.e-nemo.nl](http://www.e-nemo.nl)

**TEXAS**  
INSTRUMENTS  
[www.education.ti.com](http://www.education.ti.com)

keep on playing  
**SMART**  
GAMES  
[www.smart.be](http://www.smart.be)

**Sanders**  
[www.sanderspuzzelboeken.nl](http://www.sanderspuzzelboeken.nl)

**Schoolsupport**  
[www.schoolsupport.nl](http://www.schoolsupport.nl)

**Blink**  
uitgevers  
[www.blinkuitgevers.nl](http://www.blinkuitgevers.nl)

**ID Premiums** relatiegeschenken & Promotieartikelen  
[www.idpremiums.nl](http://www.idpremiums.nl)

**RU**  
[www.ru.nl](http://www.ru.nl)

**platform**  
wiskunde nederland  
[www.platformwiskunde.nl](http://www.platformwiskunde.nl)

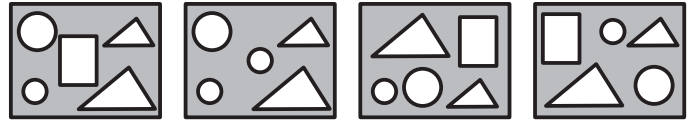
**rekeningtuin**  
[www.rekeningtuin.nl](http://www.rekeningtuin.nl)

**Denksport**  
[www.denksport.nl](http://www.denksport.nl)

**CITO**  
[www.cito.nl](http://www.cito.nl)

**MUSEUM BOERHAAVE**  
SYND SINDS 1931  
[www.museumboerhaave.nl](http://www.museumboerhaave.nl)

1. Which figure is not in all pictures?



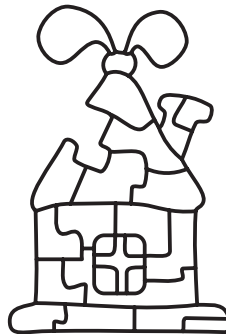
- A. ○      B. ○      C. △      D. □      E. △

2. What does this tower look like from above?



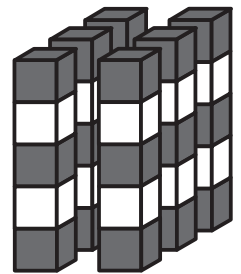
- A. △      B. ○      C. □      D. ⬆      E. □

3. Which piece completes the puzzle?



- A. □      B. □      C. □      D. □      E. □

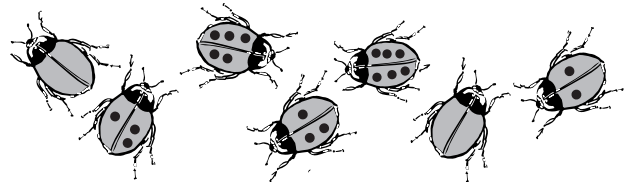
4. The 6 towers are identical.  
Each tower consists of 5 blocks.



How many white blocks are there?

- A. 10      B. 11      C. 12      D. 18      E. 30

5. There are 7 ladybirds sitting on a bush.



How many spots do they have all together?

- A. 17      B. 18      C. 19      D. 20      E. 21

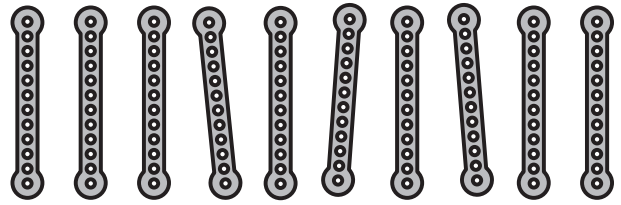
6. Sanne rotates this picture.



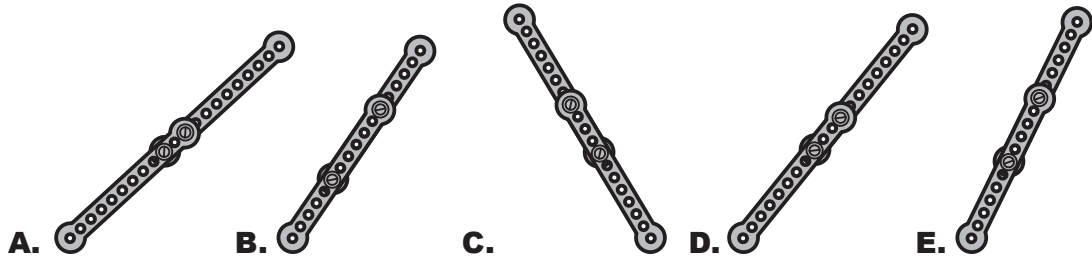
Which picture can she get then?

- A.      B.      C.      D.      E.

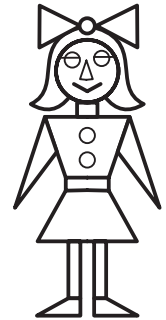
7. *Eric* has 10 metal strips. He screws pairs of them together. He gets 5 long strips.



Which strip is the longest one?

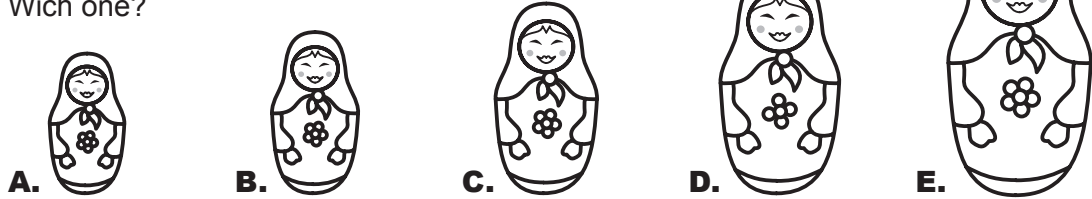


8. How many triangles are there in this doll?

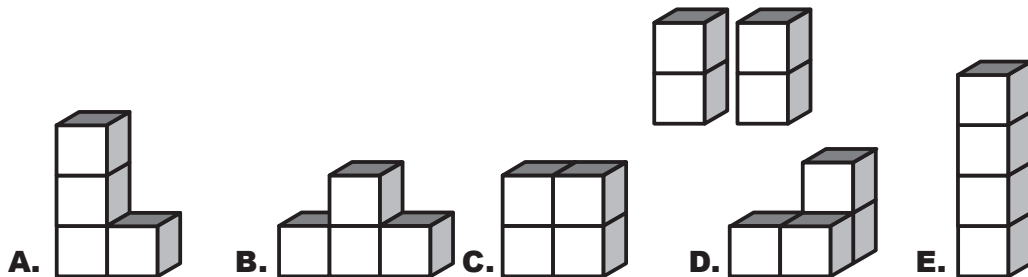


- A. 3      B. 4      C. 5      D. 6      E. 7

9. *Kathryn* is drawing pictures of her wooden doll. One of them is not completely correct. Which one?



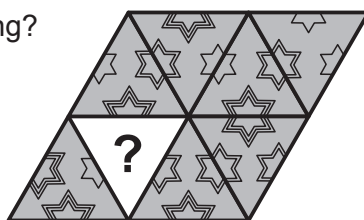
10. Which construction cannot be built by *Ali* of these 2 bricks?



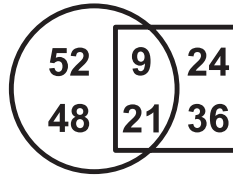
11. *Maria* has 9 sweets and *Lisa* has 17 sweets. How many sweets does *Lisa* need to give to *Maria* so that each girl has the same number of sweets?

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

12. Which piece is missing?

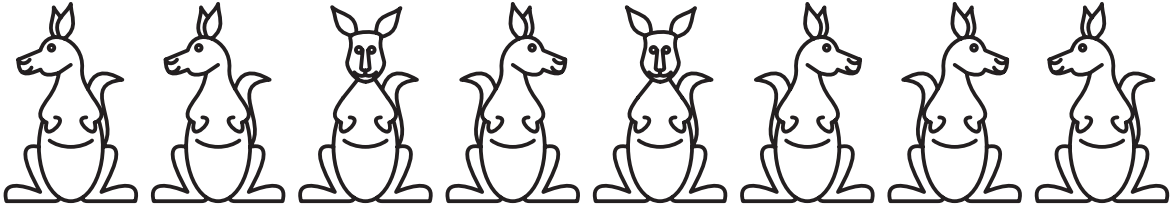


13. To what number do the numbers outside the square add up?



- A. 30      B. 60      C. 90      D. 100      E. 130

14. In the picture there are 8 kangaroos in a row. Some are looking to the left. Some are looking to the right. Some are looking straight ahead. A kangaroo is called good when he looks in the same direction as one of the kangaroos next to him. How many good kangaroos are there?



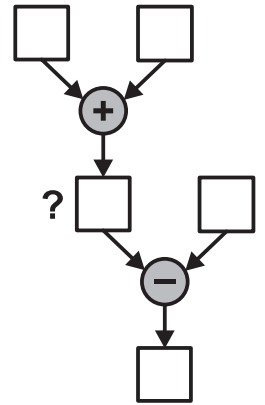
- A. 1      B. 2      C. 3      D. 4      E. 5

15. Mother has 2 pizzas. She cuts each pizza into 8 slices. There are 14 children at the party. How many slices are left over if each child gets 1 slice?

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

16. Place the digits 1, 2, 3, 4 and 5 in the boxes so that everything is correct.

Which digit goes in the box with the question mark?



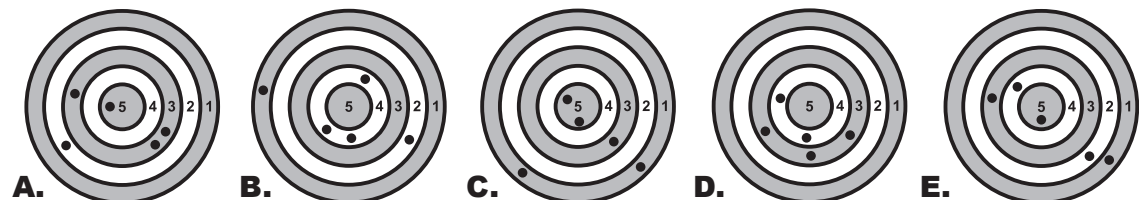
- A. 1      B. 2      C. 3      D. 4      E. 5

17. There are 11 flags along a straight road. From one flag to the next flag takes 8 steps each time.

How many steps does it take from the first flag to the last flag?

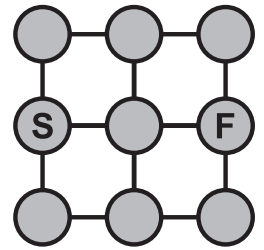
- A. 24      B. 48      C. 72      D. 80      E. 88

18. 5 children throw 5 darts each. Which board belongs to the winner?



- A.      B.      C.      D.      E.

19. The kangaroo moves in 1 jump from circle to circle along the line. The kangaroo starts at S (start) and makes exactly 4 jumps. The kangaroo ends at F (finish). The kangaroo is not allowed to jump to the same circle twice.



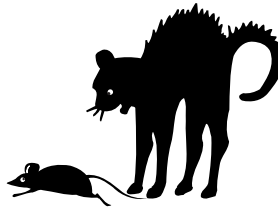
In how many different ways can the kangaroo do this?

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

20. A group of children crosses a narrow bridge one after the other. Peter is in the middle. Peter is number 8 from the start. How many children are there?

- A. 7                      B. 8                      C. 12                      D. 15                      E. 16

21. The cat is catching mice.



On the second day the cat catches 2 more mice than on the first day.  
 On the third day the cat catches 2 more mice than on the second day.  
 On the third day the cat catches 3 times as many mice as on the first day.

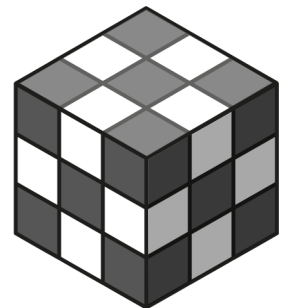
In total, how many mice did the cat catch during the 3 days?

- A. 12                      B. 15                      C. 18                      D. 20                      E. 24

22. Each minute Evi makes 8 snowballs and Dani makes 2 snowballs less. How many snowballs do they make together in 3 minutes?

- A. 14                      B. 30                      C. 42                      D. 48                      E. 54

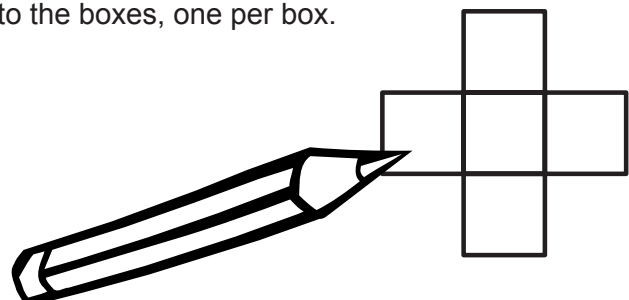
23. Aline has black and white small blocks. She builds a big block with 27 of them. (see picture) Small blocks next to each other do not have the same colour.



How many white small blocks did Aline use?

- A. 9                      B. 11                      C. 13                      D. 15                      E. 17

24. The numbers 3, 5, 7, 8 and 9 are put into the boxes, one per box.



The 3 numbers from left to right add up to the same as the 3 numbers from top to bottom. Which number will be in the middle?

- A. 3                      B. 5                      C. 7                      D. 8                      E. 9