

WERELDWIJDE WISKUNDEWEDSTRIJD

W4KANGOEROE



WWW.W4KANGOEROE.NL

COMPETITION PERIOD

MARCH 20 TO 31

GOOD LUCK AND MOST OF ALL HAVE FUN!

© Stichting Wiskunde Kangoeroe



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 April 4th



solutions will be posted on the website about April 20th

wizFUN
group 3 & 4 primary school

zwijzen

Breng leren tot leven
www.zwijzen.nl



www.e-nemo.nl

FLEXIQ
PLAY · ADAPT · GROW

www.flexiq.nl



www.smart.be

Schoolsupport

www.schoolsupport.nl

ID Premiums Relatiegeschenken bv
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www.idpremiums.nl



www.mathplay.eu

NUMWORKS

numworks.com



www.ru.nl

matific

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www.museumboerhaave.nl

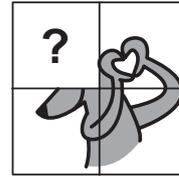
1. *Piet* has 6 balloons.
He pops 2 balloons.



How many balloons does *Piet* have left?

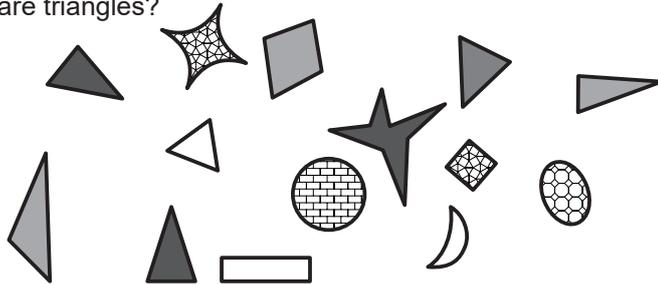
- A. 2 B. 3 C. 4 D. 5 E. 6

2. Which of these puzzle pieces should fit on the question mark?



- A. B. C. D. E.

3. How many of the shapes shown are triangles?



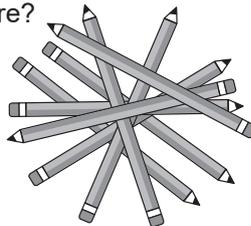
- A. 2 B. 3 C. 4 D. 5 E. 6

4. Baby Kangaroo wants to go to his mother.
He can choose from 5 paths.

Which is the shortest path?

- A. B. C. D. E.

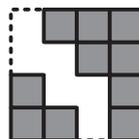
5. How many pencils are shown in the picture?



- A. 7 B. 8 C. 9 D. 10 E. 16

6. This large square has 16 small squares.
Some small squares have been removed.

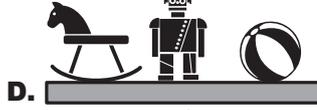
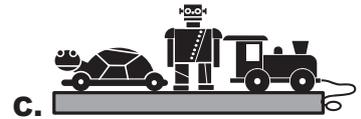
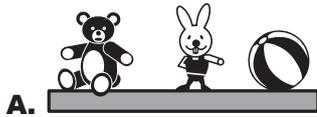
How many small squares have been removed?



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

7. *Irma* has a shelf with toys.
Irma has no turtles.
Irma has no rabbits.
Irma has no robots.

Which of these shelves could belong to *Irma*?



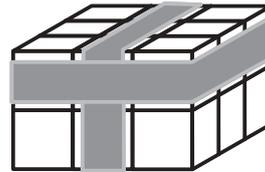
8. This is a button from *Tyrza's* coat.



Which button is the same?



9. Around a stack of blocks are 2 rubber belts.



Around how many blocks is there no belt?

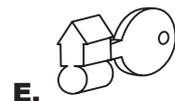
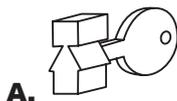
- A. 6 B. 8 C. 9 D. 10 E. 12
10. The beads in the necklace alternate between black and white.
 There are 2 boxes around the necklace.
 Each box hides 5 beads



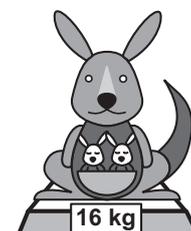
How many white beads are hidden in total?

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

11. Which of these keys fits the lock shown in the picture?



12. Mother kangaroo has 2 kids.
 The 2 kids weigh the same.
 On the left, you see mother kangaroo with 1 kid
 On the right, you see mother kangaroo with 2 kids.



How much does mother kangaroo weigh?

- A. 9 kg B. 10 kg C. 11 kg D. 12 kg E. 13 kg

- 13.** There are 12 pieces of fruit on the fruit bowl.
Vera removed 2 pears.
Vera also removed 4 apples.
 And *Vera* removed half of the oranges.
 Now there are only some oranges left on the fruit bowl.

How many oranges are left?

- A.** 1 **B.** 2 **C.** 3 **D.** 4 **E.** 6

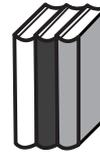
- 14.** There are 12 children in a line.
 Counting from the left, *Warren* is fifth in the line.
 Counting from the right, *Victor* is fourth in the line.



How many children are between *Warren* and *Victor*?

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

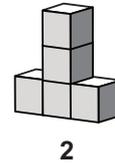
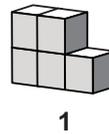
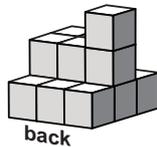
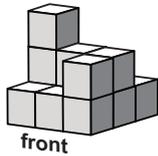
- 15.** In the picture you see *Mary's* bookshelf.
 There are 3 books on it.
Mary swaps the white book with the grey book.
 Then, *Mary* swaps the grey book with the black book.



What does the bookshelf look like now?

- A.** **B.** **C.** **D.** **E.**

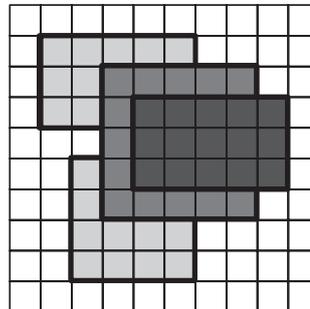
- 16.** The pictures below show the front and back of an object built from cubes.
 The object is broken into 3 pieces.



Which one is the missing piece?

- A.** **B.** **C.** **D.** **E.**

- 17.** There are 4 mats on the floor.
 The floor has square tiles.



How many tiles are under exactly 3 mats?

- A.** 0 **B.** 1 **C.** 2 **D.** 3 **E.** 4

- 18.** *Els* buys 3 chocolate bars.
Timon buys 5 chocolate bars.
Timon has to pay 6 euros more than *Els*.



How much does 1 chocolate bar cost?

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

19. *Karel* has 5 wooden animals on a shelf.
Karel picks 2 animals and weighs them together.
 Then, he picks 2 more animals and weighs them together.
 Both times the scale gives the same weight.



Which animal did *Karel* leave out?

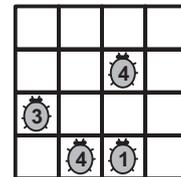
- A. B. C. D. E.

20. 3 years ago, *Anna* and *Bert* were 6 years old together.
Anna is now 7 years old.

How old is *Bert* now?

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

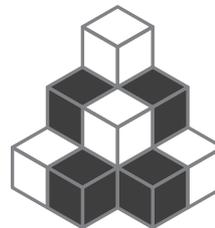
21. There are 16 ladybugs.
 Each ladybug has a 1, 2, 3, or 4 on its back.
 The ladybugs are sitting in the boxes.
 In each row, from left to right, the numbers on the backs must be different.
 In each column, from top to bottom, the numbers on the backs must also be different.
 Some ladybugs have already sat down.



What does the top row look like when all the ladybugs are seated?

- A. B. C.
 D. E.

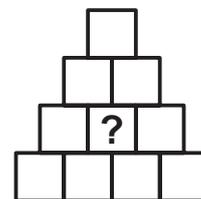
22. In a corner of the room, 13 blocks are stacked.
 Each block is either black or white.
 Directly below each black block is a white block.
 Directly below each white block is a black block.



How many white blocks are in the stack?

- A. 4 B. 6 C. 7 D. 8 E. 9

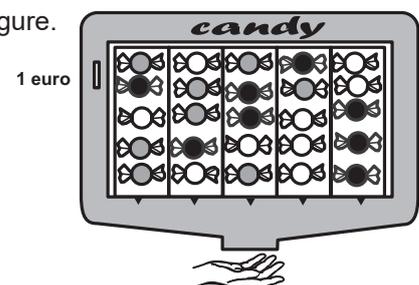
23. *Ingrid* has painted all the small squares.
 1 small square is yellow.
 2 small squares are green.
 3 small squares are blue.
 4 small squares are red.
 2 small squares next to each other never have the same colour.



What colour is the small square with the question mark now?

- A. blue B. yellow C. green D. red E. can't be determined

24. *Bahar* wants a black candy from the vending machine in the figure.
 She puts 1 euro in the machine.
 A candy from the bottom row falls out of the machine.
 The candies above then slide down.



How many euros must *Bahar* put in the machine to be sure that he will get a black candy?

- A. 6 B. 10 C. 11 D. 12 E. 15