

EUROPESE KANGOEROE REKEN- EN WISKUNDEWEDSTRIJD

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www.math.ru.nl/kangoeroe

Good luck
and most of
all have fun.



calculator not
allowed



you may use
50 minutes



scrap paper
is allowed



results and awards
at school mid-May



24th March the
answers will be on
the website

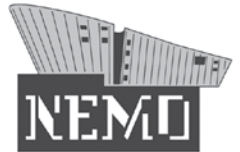


24th March the
explanations will be
on the website



Zwijsen

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www.e-nemo.nl



www.getalenuimte.epn.nl



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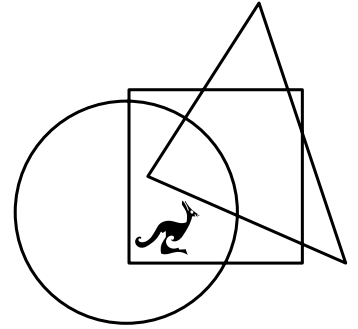


www.kijk.nl

1. $200 \times 9 + 200 + 9 =$

- A. 418 B. 1909 C. 2009 D. 4018 E. 20009

2. Where is the kangaroo?

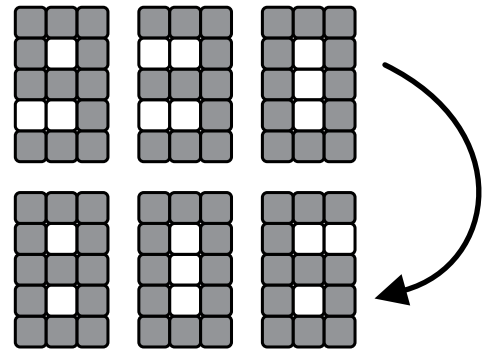


- A. Inside the circle and inside the triangle, but not inside the square.
 B. Inside the circle and inside the square, but not inside the triangle.
 C. Inside the triangle and inside the square, but not inside the circle.
 D. Inside the circle, but not inside the square and not inside the triangle.
 E. Inside the square, but not inside the circle and not inside the triangle.

3. Four matchsticks have eight ends together.
 How many ends do six and a half matchsticks have together?

- A. 6 B. 8 C. 12 D. 13 E. 14

4. The number 930 has been made out of lights.
 John can turn each light on or off.
 He would like to change 930 into the number 806.
 How many lights does John have to switch?

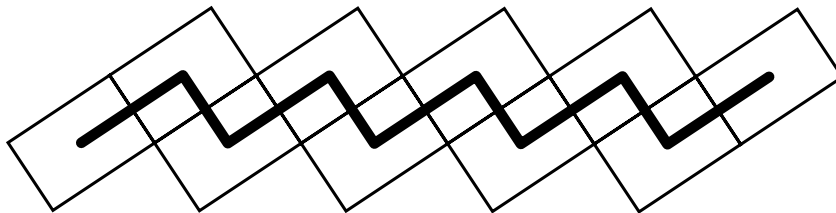


- A. 5 B. 6 C. 7 D. 8 E. 9

5. Mother buys 16 tangerines. Carmen eats half of them. Eve eats two. Diana gets the remaining ones.
 How many tangerines does Diana get?

- A. 4 B. 6 C. 8 D. 10 E. 12

6. Anton has built a path in his garden. He used 10 tiles of 4 dm by 6 dm.
 Anton has painted a black zigzag line through the midpoints of the tiles.



How many dm is that zigzag line long?

- A. 40 B. 46 C. 50 D. 56 E. 60

7. Gerald has thrown four dice. His total score was 23.
 How many sixes did he throw?

- A. 0 B. 1 C. 2 D. 3 E. you cannot know

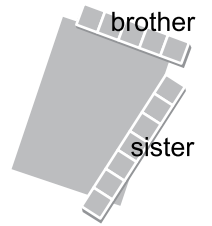
8. Together, a black and a white rabbit weigh 12 kg.
 The black rabbit weighs 2 kg more than the white one.
 How many kg does the white rabbit weigh?

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

9. 25 boys and 19 girls are member of a sports club.
Every month 2 new boys and 3 new girls become a member of the club.
No children are leaving the club.
After some months as many boys as girls are member of the club.
After how many months does this happen?

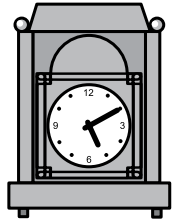
A. 2 B. 3 C. 4 D. 5 E. 6

10. Lynda shares a rectangular chocolate bar.
She breaks off a row of 5 blocks for her brother.
Then she breaks off a row of 7 blocks for her sister.
How many blocks did the chocolate bar have?



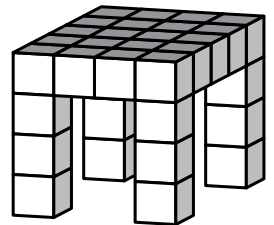
A. 28 B. 32 C. 35 D. 40 E. 54

11. A movie lasts 90 minutes. The movie started at 17:10 h.
There were two intervals, one of 8 minutes and one of 5 minutes.
At what time did the movie finish?



A. 18:13 B. 18:27 C. 18:47 D. 18:53 E. 19:13

12. Thomas has built this table out of a number of equal blocks.
How many blocks did Thomas use?

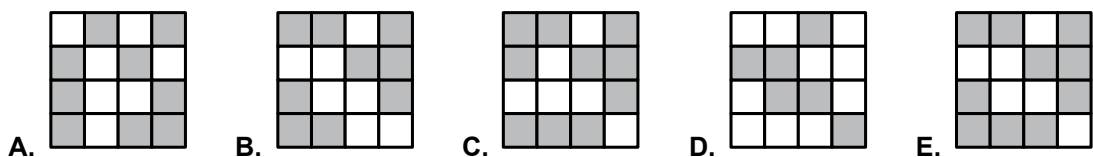
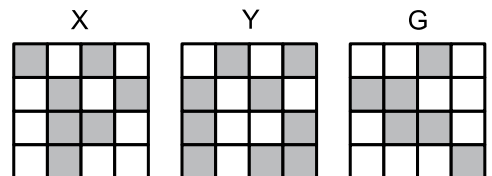


A. 24 B. 26 C. 28
D. 32 E. 36

13. A rectangle has sides of 8 cm and 4 cm.
A square has the same perimeter as the rectangle.
How many cm is one side of the square long?

A. 4 B. 6 C. 8 D. 12 E. 24

14. Figure X corresponds to figure Y because they complement each other.
Which of the following figures corresponds to figure G?



15. A farmer has 30 cows, a lot of chicken and no other animals.
At this farm there are as many chicken legs as cow legs.
How many animals does the farmer have?

A. 60 B. 90 C. 120 D. 180 E. 240

16. Which of the following figures can not be made out of the two domino blocks shown?

