

W4 KANGOEROE Wereldwijde Wiskunde Wedstrijd



www.w4kangoeroe.nl

Good luck and most of
all have fun.

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calculator not
allowed



you may use
50 minutes



scrap paper
is allowed



results and awards
at school mid-May



20h March the
answers will be on
the website



15th April the
explanations will be
on the website

wizKID
groep 5 & 6 primary school



Zwijzen

www.zwijzen.nl



www.e-nemo.nl

GETAL &
RUIMTE

www.getalenuimte.epn.nl



www.education.ti.com



www.smart.be



www.rekenzeker.nl



www.sanderspuzzelboeken.nl



www.schoolsupport.nl



www.idpremiums.nl



www.ru.nl



UITGEVERIJ NIEUWEZIJD

www.nieuwezijds.nl



www.platvormwiskunde.nl



www.zozitdat.nl



www.cito.nl

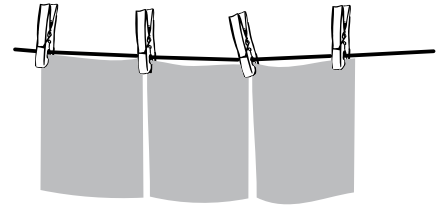


www.museumboerhaave.nl

1. 13 kids are playing hide and seek. One of the kids is searching. After some time he has found 9 kids. How many kids are still hiding?

- A. 3 B. 4 C. 5 D. 9 E. 22

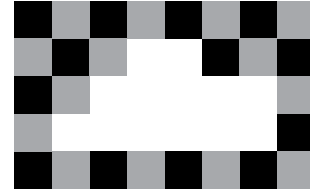
2. Daddy is outside hanging the wash on the washing line. Daddy wants to use the least possible number of clothes pegs. He needs 4 clothes pegs for 3 towels.



How many clothes pegs does he need for 9 towels?

- A. 8 B. 10 C. 12 D. 14 E. 16

3. Some tiles have fallen off the wall. How many black tiles have fallen off?



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

4. Julia colours box B3 black (see drawing). Then she colours boxes A2, B1, B2, B4, C3, D3 en D4 black as well. Which picture will she get?

	A	B	C	D
1				
2				
3		■		
4				

- A.

	A	B	C	D
1				
2				
3		■		
4				

 B.

	A	B	C	D
1				
2		■		
3				
4				

 C.

	A	B	C	D
1				
2		■		
3				
4				

 D.

	A	B	C	D
1				
2				
3		■		
4				

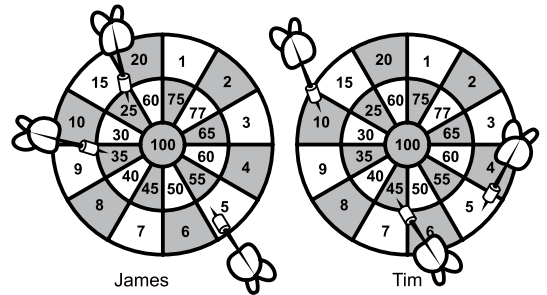
 E.

	A	B	C	D
1				
2				
3		■		
4				

5. Luke is going to write the word KANGOEROE on a piece of paper. He wants use different colours for different letters and the same colours for the same letters. How many different colours does he need?

- A. 7 B. 8 C. 9 D. 10 E. 13

6. James and Tim are playing Darts. Both of them throw three darts. Who won? By how many points more?



- A. James; 5 more points
B. Tim; 5 more points
C. James; 10 more points
D. Tim; 10 more points
E. They draw

7. In which drawing is there *not* as much white as grey?

- A. B. C. D. E.

8. In the animal class are 2 ducks and some lambs. Teacher Kangaroo counts 24 legs amongst her pupils. How many lambs are present?

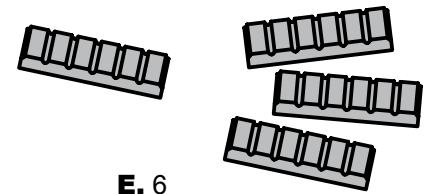
- A. 2 B. 3 C. 4 D. 5 E. 6

9. On 15 tables there is a candle holder.
There are 6 candle holders with 5 candles each. The other ones have 3 candles.
How many candles do all candle holders have together?



A. 45 B. 50 C. 57 D. 60 E. 75

10. Three chocolate bars cost 6 euros more than one bar.



How many euros does one bar cost?

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

11. Grandma has been baking 20 cookies. She decorates 15 cookies with raisins and 15 cookies with nuts.
All cookies are decorated now.
How many cookies are decorated with both (raisins and nuts)?

A. 4 B. 5 C. 6 D. 8 E. 10

12. In a Sudoku the numbers 1, 2, 3 and 4 appear once in every row (next to each other and also below each other).
There is an example alongside.

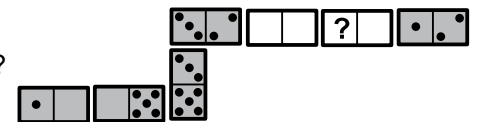
4	1	2	3
3	4	1	2
1	2	3	4
2	3	4	1

First calculate the exercises in the table alongside.
Then finish the Sudoku.
Which number will be in the grey box?

1x1		1x3	
2x2	6-3		6-5
4-1	1+3	8-7	
9-7	2-1		

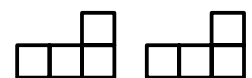
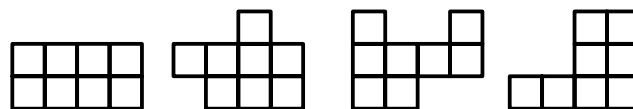
A. 1 B. 2 C. 1 and 2 are both possible
D. 3 E. 4

13. Stephen had laid down seven domino blocks with equal numbers of spots next to each other.
There are 33 spots in total.
His brother took two blocks away; see drawing.
How many spots were have been replaced by a question mark?



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

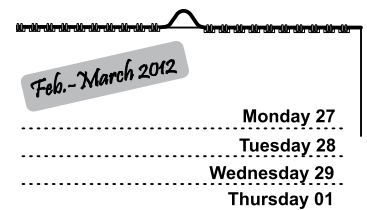
14. Julia is trying to make the following four shapes using these two pieces.



How many of these shapes can Julia make?

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

15. This year the month of February had 29 days.
My granddad's chickens hatched on 24 February 2012.
How many days old are they on 15 March?



A. 19 days B. 20 days C. 21 days
D. 22 days E. 23 days

16. Sophie, Luke, Anna and Rachida want a photo of the four of them.
Rachida and Sophie want to be next to each other on the photo.
Luke wants to be next to Sophie as well.
In how many ways can they be on the photo if they all get it their way?

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

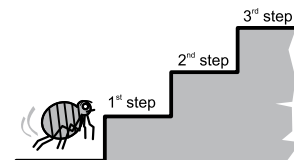
17. Lisa invited exactly twice as many girls as boys on her birthday party.
All children will come.
How many children can be at the party?

- A. 8 B. 9 C. 10 D. 11 E. 12

18. Ismael has four cards with the numbers 1, 2, 3 and 4 on them.
With these he forms two two-digit numbers.
He adds the two numbers.
What is the largest result Ismael can get?

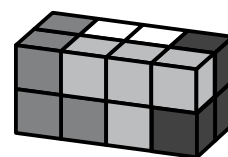
- A. 26 B. 37 C. 55 D. 64 E. 73

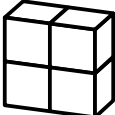
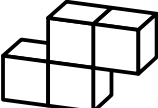
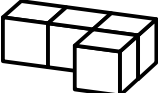
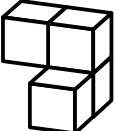
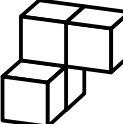
19. A flea wants to climb a long staircase.
She can only do two different jumps: 3 steps up or 2 steps down.
She starts on the ground floor.
How many jumps does she have to do to get on the 16th step?



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

20. A cuboid consists of three pieces, see drawing.
Each piece consists of four cubes of the same colour.
What does the white block look like?



- A.  B.  C.  D.  E. 

21. Ismael starts calculating with a number
First: times 7
Then the outcome plus 1
Then the outcome times 10
Then the outcome plus 3
Finally the outcome times 4.
Ismael got 2012 for final outcome.
What number did Ismael start from?

- A. 5 B. 7 C. 8 D. 9 E. 11

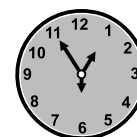
22. At a hockey match you will get 3 points if you win, 1 point for a draw and 0 points if you loose.
A team has got 38 points out of 20 matches.
What is the largest number of matches this team may have lost?





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

23. A rectangular piece of paper is 84 mm long and 24 mm wide.
Julia cuts off a square (with **one straight** cut).
She cuts of another square again from the piece that is left, etcetera.
In the end Julia has a square left over.
How long (and wide) is that square?

- A. 1 mm B. 4 mm C. 6 mm D. 10 mm E. 12 mm

24. A special clock has three different hands for the hours, minutes and seconds.
We do not know which hand is indicating what,
but we do know that the clock was as in the drawing alongside at 12:55:30.
What does the clock look like at 8:11:00?



- A.  B.  C.  D.  E. 