

## Good luck and most of all have fun！！

calculators are not allowed
only a pencil，an eraser and scribbling
 paper are allowed
answers will be posted on the website about March $29^{\text {th }}$

you may use 50 minutes
results and prizes will arrive at school at the end of May
solutions will be posted on the website about April $20^{\text {th }}$

Breng leren tot leven GAMES
www．smart．be

## Schoolsupport

www．schoolsupport．nl

EID Premiums
－Relations Relatigeschenken b， www．idpremiums．nl

www．mathplay．eu

www．cuttle．org

8路 platform
wiskunde nederland www．platformwiskunde．nl


1．Which of these paths would get the bee to the flower？

A．$\Rightarrow$ 量 $\Rightarrow$ 旦 $\boldsymbol{\square} \Rightarrow$ B．
C．
D．$\Rightarrow \Rightarrow$ 量
E． $\boldsymbol{\theta}^{\prime} \Rightarrow \Rightarrow$ 早㝵

2．The mirrors reflect the laser beam like this：


Where does this laser beam end？

A．A
B．B
C．C
D．D
E．E

3．Each row and each column must contain 2 coins．

Which coin should be moved to make it right？

A．A
B．B
C．C
D．D
E．E

4．Tom needs to get to the box with the train．
But he must first move a few boxes out of the way．

How many boxes does Tom have to move to get to the train？

A． 3
B． 4
C． 5
D． 6
E． 7

5．Kangoe always makes 1 large jump followed by 2 small ones on the number line． Kangoe starts at 0 and ends at 16.

How many jumps does Kangoo make in total？

A． 4
B． 7
C． 8
D． 9
E． 12

6．The same numbers may not be next to or above each other．

| 3 | 2 | 5 | 4 | 2 | 1 |
| :--- | :--- | :--- | :--- | :--- | :--- |
| 1 | 4 | 3 | 1 | 3 | 4 |
| 2 | 5 |  | 5 | 2 | 1 |
| 4 | 1 |  |  |  |  |

A． | 4 |  |  |
| :--- | :--- | :--- |
| 1 | 2 | 3 |

B． \begin{tabular}{|l|l|l|}

\hline 1 \& \multicolumn{1}{|l|}{} \& \multicolumn{1}{|c|}{| 3 | 4 |
| :--- | :--- |} <br>

\hline
\end{tabular}

C．

| 2 |  |  |
| :--- | :--- | :--- |
| 4 | 1 | 3 |

D．

| 2 |  |  |
| :--- | :--- | :--- |
| 3 | 1 | 4 |

E． | 3 |  |  |
| :--- | :--- | :--- |
| 2 | 1 | 4 |

7. $22+\square=20+\square$

Which 2 numbers can Angelina put in the boxes to make the sum add up?
A. 3 and 4
B. 3 and 5
C. 4 and 1
D. 7 and 2
E. 9 and 8
8. Elisha builds a structure that looks like this:

What will Elisha see when she looks from above?

A.

B.

c.

D.

E.

9. Cars 1 to 5 are all driving in the same direction.


At first, the last car passes 2 cars.
Then the second to last car passes 2 cars.
Then the middle car passes 2 cars.
What is the order of the cars now?
A. $1,2,3,5,4$
B. $2,1,3,5,4$
C. $2,1,5,3,4$
D. $3,1,4,2,5$
E. 4, 1, 2, 5, 3
10. The ages of the kangaroos in a family are $2,4,5,6,8$ and 10 years old. When you add the ages of 4 of the kangaroos together, you get 22.


What are the ages of the other 2 kangaroos?

A. 2 and 8
B. 4 and 5
C. 5 and 8
D. 6 and 8
E. 6 and 10
11. I sent postcards to 5 friends while on holiday.

There are no ducks on Mieke's postcard. There are 2 animals on Paula's postcard There are kangaroos on Maxima's postcard.

There is a sun on Cara's postcard.
There is a dog on Liliane's postcard.

Which postcard did I send to Mieke?
A.

B.



12. Mosif always adds the 3 numbers in each row. He also always adds the 3 numbers in each column. All these sums must have the same result. 1 box contains a wrong number.

Which number must he correct?

A. 1
B. 3
C. one of the fours
D. 5
E. one of the sevens
13. Aladdins carpet has the shape of a square.

Each side of the carpet has the same number of dots arranged in 2 rows. Unfortunately the carpet has been folded.

How many dots are there on the carpet?
A. 32
B. 36
C. 40
D. 44
E. 48

14. Joanna volds the grid paper twice as shown by the arrows in the figure.

Afterwards she punches a hole at the black spot.


Which numbers is she going to punch?
A. 2, 5, 20, 23
B. $8,11,26,29$
C. $14,16,21,23$
D. $14,17,20,23$
E. 15, 16, 21, 22
15. Pupils in a class are sitting in rows.

There is the same number of pupils in each row.
There are 2 rows of pupils in front of Robert, 1 row behind him, 3 pupils on his left and 5 pupils on his right.
How many pupils are there in this class?
A. 10
B. 17
C. 18
D. 27
E. 36
16. The cube in the figure was built from the 3 kinds of colored wooden blocks.

How many white blocks were used?

A. 8
B. 11
C. 13
D. 16
E. 19
17. Wanda has to make sure she has 2 colored, 2 large and 2 round figures.


What is the smallest number of figures Wanda can choose?
A. 2
B. 3
C. 4
D. 5
E. 6
18. Three football teams play in a sports tournament.

Each team plays against every other team once.
If a team wins, it gets 3 points. The loser doesn't get any points.
In a draw, each team gets 1 point.
When all matches have been played, the points are counted.
Which number of points cannot be the points of any of the teams?
A. 1
B. 2
C. 4
D. 5
E. 6
19. The pyramid is built from cubes.

The length of one side of each block is 10 cm .
An ant walks on the black line over the pyramid.

How many centimeters did the ant walk across the pyramid?

A. 30
B. 60
C. 70
D. 80
E. 90
20. Alma wants to put one of the pieces in the middle such that a child in $\mathbf{A}$ is able to travel to $\mathbf{B}$ and $\mathbf{E}$, but not to D.
She can rotate the pieces.

Which pieces will work?

A. 1 and 2
B. 1 and 4
C. 1 and 5
D. 2 and 3
E. 4 and 5
21. Ahmad and Zhaleh start walking at point $\mathbf{A}$ in the direction shown by an arrow.

They both walk with the same speed.
Ahmad walks around the square-shaped garden and Zhaleh walks around the rectangular-shaped garden.


10 m
How many rounds around the square-shaped garden would it take for Ahmad to meet Zhaleh again at point A?
A. 1
B. 2
C. 3
D. 4
E. 5
22. 5 children eat plums.

Lauren eats 2 plums more than Sophie.
Betty eats 3 fewer plums than Lauren.
Claire eats 1 plum more than Betty and 3 fewer plums than Alice.
Which 2 children eat the same number of plums?
A. Alice and Betty
B. Claire and Lauren
D. Lauren and Alice
E. Sophie and Alice
C. Claire and Sophie
23. The small caterpillar in the picture curls up to sleep.


What might that look like?
A.

B.

C.

D.

E.

24. The same number is placed in boxes with the same color. Next to each row is the result of the addition of the numbers in that row.

Which number will be in the black box?

A. 6
B. 8
C. 10
D. 12
E. 14

