

WereldWijde WiskundeWedstrijd

WWW.W4KANGOEROE.NL



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calculators are not allowed



you may use 50 minutes



only a pencil, an eraser and scribbling paper are allowed



results and prizes will arrive at school at the end of May



answers will be posted on the website about March 29th



solutions will be posted on the website about April 20th

wizKID
group 5 & 6 primary school

zwijse n

Breng leren tot leven
www.zwijsen.nl



www.e-nemo.nl



www.education.ti.com



www.smart.be



www.schoolsupport.nl

ID Premiums Relatiegeschenken b.v.
Relatiegeschenken & Promotieartikelen
www.idpremiums.nl



www.mathplay.eu



www.ru.nl

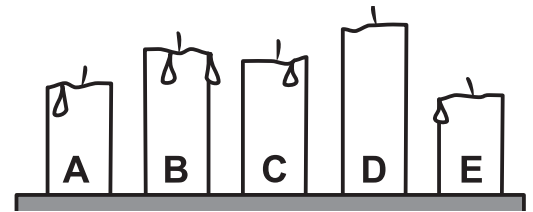
platform
wiskunde nederland

www.platformwiskunde.nl



www.museumboerhaave.nl

1. Mo lit 5 similar candles at the same time. They stopped burning at different times.



Which candle stopped burning first?

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

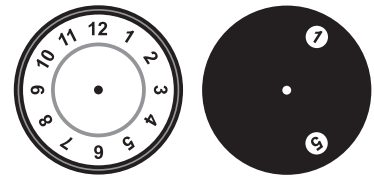
2. The 2 Kangaroo coins with the question mark on have the same value.

$$\text{20} + \text{10} + \text{10} + \text{?} + \text{?} + \text{1} = 51$$

What is this value?

- A. 1 B. 2 C. 5 D. 10 E. 20

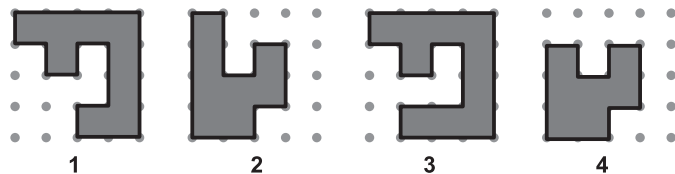
3. Linda pins a black circle with 2 big holes in it on a clock. She spins the black circle around.



Which 2 numbers can you see at the same time?

- A. 4 and 9 B. 5 and 9 C. 5 and 10 D. 6 and 9 E. 7 and 12

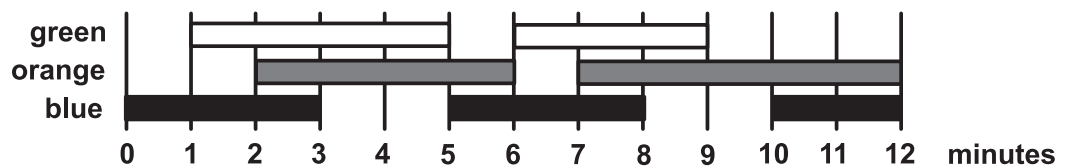
4. Alice has these puzzle pieces:



Which 2 pieces can she use to form the square?

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

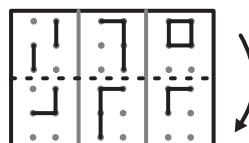
5. A light engineer in the theatre turns lights on and off. She uses the plan shown below:



For how many minutes are exactly 2 of the lights on at the same time?

- A. 2 B. 6 C. 8 D. 9 E. 10

6. Kristoffer folds transparent paper along the dotted line.



What can he then see?

- A.

2	0	7
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 B.

3	5	5
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 C.

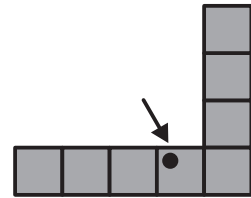
7	8	9
---	---	---
- D.

6	0	4
---	---	---

 E.

4	0	6
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7. Zahra completely covers the shape on the right with the pieces below



Which piece will cover the dot?



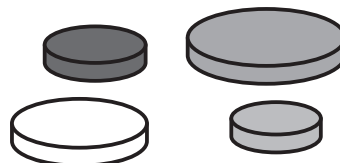
8. Danny glues 2 pieces of paper on top of this black circle.



What **can't** he make?



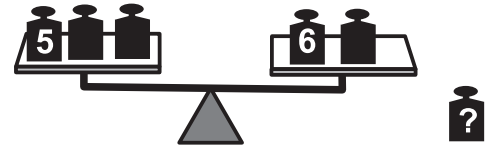
9. Anna has 4 disks of different sizes. She wants to build a tower of 3 disks. Each disk should be smaller than the disk below it.



How many different towers can Anna make?



10. Rosita has 6 weights: 1, 2, 3, 4, 5 and 6 kg. She puts 5 weights on the scale and 1 weight aside. The scale is balanced.

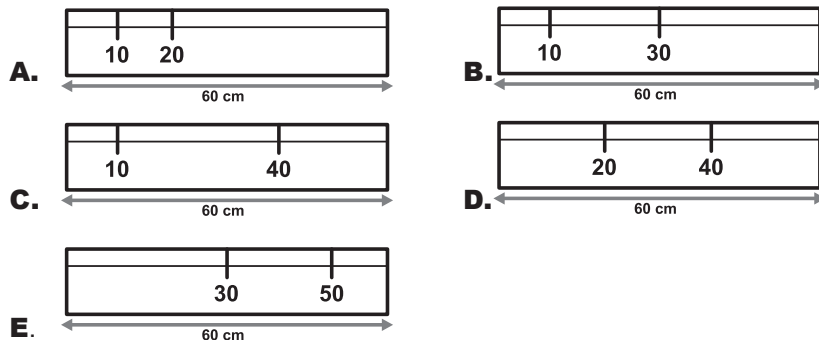


Which weight did Rosita put aside?

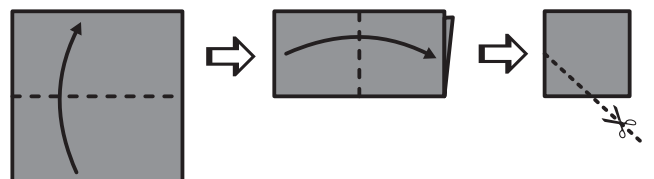


11. Ali has a ruler of 60 cm. Some of the markings can no longer be seen. Still he can measure 10, 20, 30, 40, 50 and 60 cm with his ruler. Ali can measure any length by putting down his ruler only once.

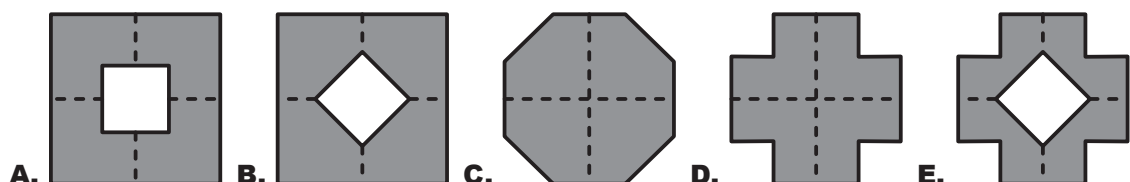
Which ruler belongs to Ali?



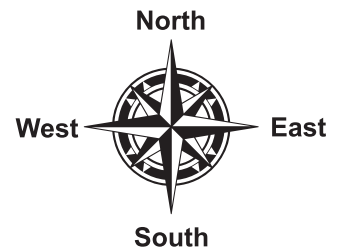
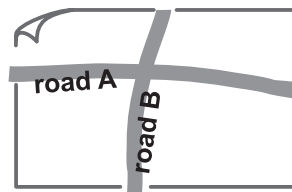
12. Rebecca folds a square piece of paper twice. Then she cuts off a corner. Next, she unfolds the paper.



What does the paper then look like?



13. There are 7 houses north of road A.
There are 8 houses east of road B.
There are 5 houses south of road A.



How many houses are west of road B?

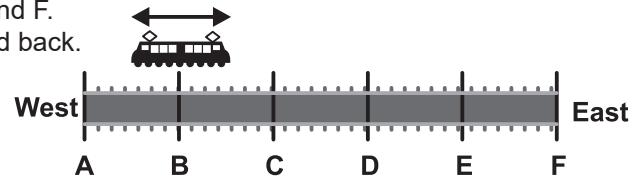
- A. 4 B. 5 C. 6 D. 7 E. 8

14. There are 8 cars lined up for the ferry.
Every car contains either 2 or 3 people.
There are 19 people in total waiting for the ferry.

How many cars contain exactly 2 people?

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

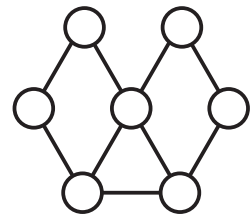
15. The train travels back and forth between station A and F.
The train stops at every station on the way there and back.
The train driver *Olena* starts driving at station B.
Her first stop is station C.



Which station will be her 96th stop?

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

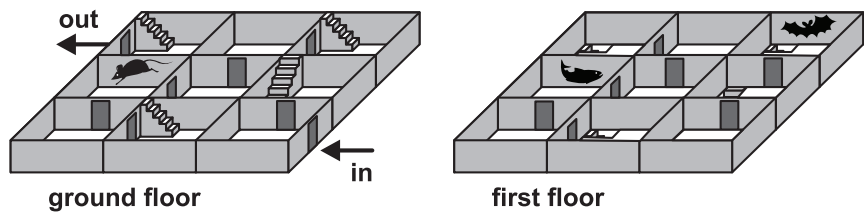
16. *Hatice* wants to paint the circles in the picture.
Circles that have a line drawn between them get different colours.



What is the smallest number of colours *Hatice* needs?

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

17. *Sam* walks through the 2-story maze.
He goes from the entrance to the exit.
He will pass 3 drawings on the walls.



In what order does he see the drawings?

- A. B. C. D. E.

18. 6 beavers and 2 kangaroos are standing in a line.
Each animal is given a number:



Among any 3 consecutively numbered animals, exactly 1 is a kangaroo.

Which number is definitely a kangaroo?

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

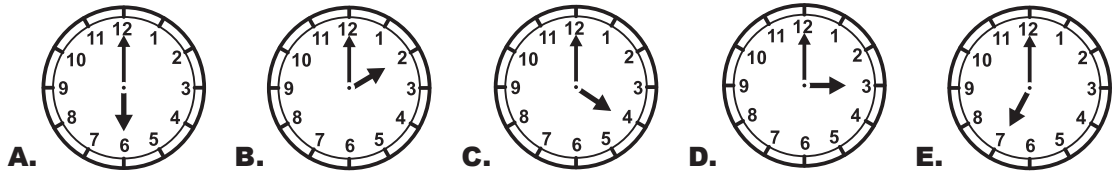
19. *Hermione*, *Harry* and *Ron* always walk into the classroom one at a time.
Hermione is never first.
Harry is never second.
Ron is never third.

In how many different orders could they walk into the classroom?

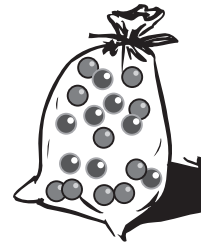
- A. 1 B. 2 C. 3 D. 4 E. 6

20. There are 5 clocks hanging on the wall.
 1 clock is one hour fast.
 1 clock is one hour slow.
 1 clock shows the correct time.
 2 clocks have stopped.

Which clock shows the correct time?



21. Adam and Brenda have 9 marbles each.
 Together, they have 8 red and 10 blue marbles.
 Brenda has twice as many blue marbles as red marbles.



How many blue marbles does Adam have?

- A. 0 B. 3 C. 4 D. 5 E. 6

22. Else has 2 machines.
 Machine R turns the paper a quarter turn clockwise:



Machine S puts a stamp on the paper:

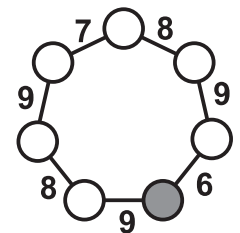


In which order should we use the machines to get the following result?



- A. SRR B. RSR C. RSS D. RRS E. SRS

23. Kees writes the numbers 1 to 7 inside the circles.
 In each circle there will be 1 number.
 If you add 2 numbers next to each other you get the number next to the line.



What number should Kees write inside the grey circle?

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

24. Maria has drawn a grid of 4 x 4 cells.
 Exactly 5 cells she has painted grey.
 5 of her friends guess what Maria painted.
 Below you see their answers.
 Exactly 1 friend gives the right answer.
 The others all have exactly 4 cells correct.

Which is the correct answer?

