

W4Kangoeroe

Thursday
March 19th 2020



WWW.W4KANGOEROE.NL

Good luck and most of all have fun.

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calculators are not allowed



only a pencil, an eraser and scribbling paper are allowed



answers will be posted on the website about March 29th



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 20th









www.smart.be



www.schoolsupport.nl







www.mathplay.eu



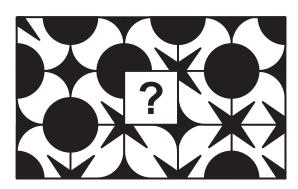




wizSMART 7 & 8 primary school

www.museumboerhaave.nl

1. Which tile completes the picture?













Amira is walking from the centre of Kangaroo city to the harbour.On her way, she passes the following 5 sign posts.1 of the sign posts is wrong.

Which one is wrong?











3. An artist paints in the square alongside all the black cells white, and all the white cells black.



What does the square look like afterwards?











4. Tarik reflects the letter F about the 2 lines shown.



What will the reflections look like?









5. Cindy colours each region inside the circle either red, blue or yellow. She colours neighbouring regions with different colours. She colours the outer ring of the circle blue.



How many of the regions will be blue in the end?

A. 2

B. 3

C. 4

D. 5

E. 6

6. Esra has 10 sheets of paper. She cuts some of the sheets into 5 parts each. After that Esra has 22 pieces in total.

How many sheets did she cut?

A. 2

B. 3

C. 6

D. 7

E. 8

years old, so the father always wins when they vote.

B. 5

A. 4

How many years will it take for the children to win always, if they all agree?

C. 7

E. 14

D. 13

Karin has 4 baskets, containing 1, 4, 6 and 9 apples.

She wants to have the same number of apples in every basket.

7.

14. Yorn glues 6 stickers with different animals on the sides of a cube:





In the picture, you see the cube from 2 different sides.

Which sticker is on the face opposite to the cat?



В.



D. .



15. *Giorgio* has 2 pieces of wire with the same shape:

He puts the 2 pieces together.

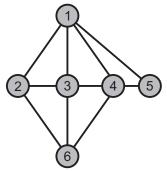


Which of the following shapes is impossible for Giorgio to make?

A. T L B. C . C . D. C. L E. C . S

16. The following scheme shows the friendship among *Anne*, *Bibi*, *Carla*, *Diana*, *Elsa* and *Fleur*. Each number represents 1 of the girls and each line represents a friendship between 2 girls. *Carla*, *Diana* and *Fleur* each have 4 friends.

Carla and Diana are both friends of Bibi.
Bibi has no other friends.



Which number represents Fleur?

A. 2

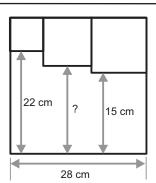
B. 3

C. 4

D. 5

E. 6

17. 3 small squares are drawn inside a big square as shown.



What is the length of the segment with the question mark?

A. 17 cm

B. 17,5 cm

C. 18 cm

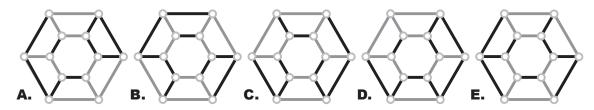
D. 18,5 cm

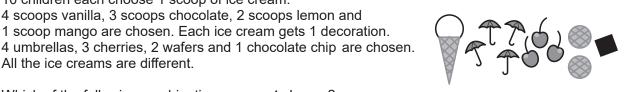
E. 19 cm

18. *Tom* built the following object:



What does he see when he looks at the object from above?





Which of the following combinations was not chosen?

A. chocolate with a cherry

4 scoops vanilla, 3 scoops chocolate, 2 scoops lemon and 1 scoop mango are chosen. Each ice cream gets 1 decoration.

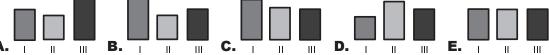
19. 10 children each choose 1 scoop of ice cream.

All the ice creams are different.

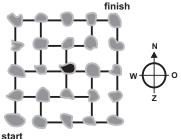
B. mango with an umbrella

C. vanilla with an umbrella





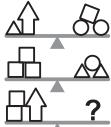
E. 5



C. by going Sout

23. Sam has to play 15 games in a chess tournament. Up until now Sam has won half of his games,

E. 6



What should be in the place of the question mark?

 \mathbf{A} . $\triangle \triangle \triangle \triangle \Box$

B. $\triangle\triangle\triangle$

c. $\triangle 000$

E. 000