

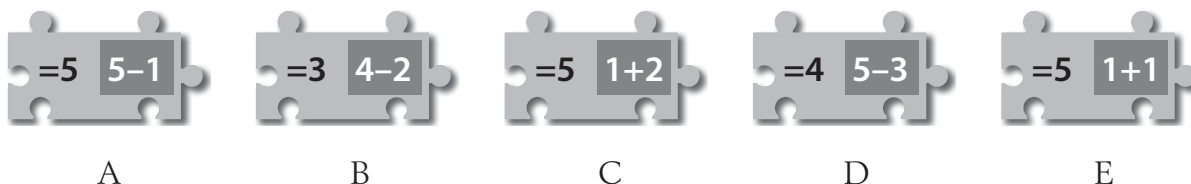


Three point problems

1.



Which of the pieces A - E will fit between the above two pieces so the two equalities are fulfilled?

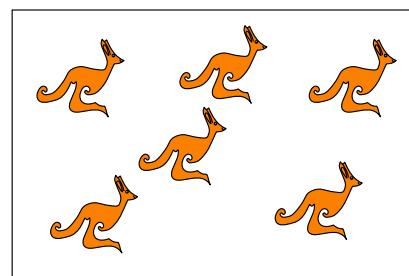


Sweden

2. John looks through the window. He sees half of the kangaroos in the park.

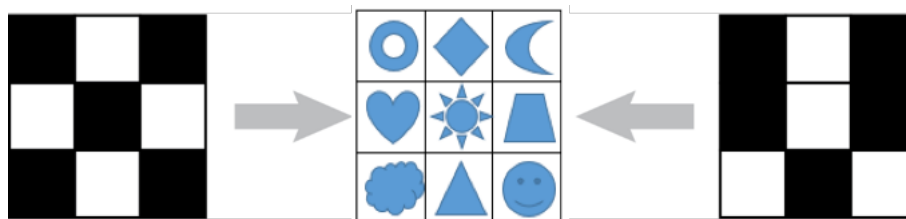
How many kangaroos are there in the park?

- A: 12 B: 14 C: 16
D: 18 E: 20



Belgium

3. Two gridded transparent sheets are darkened in some squares, as shown.



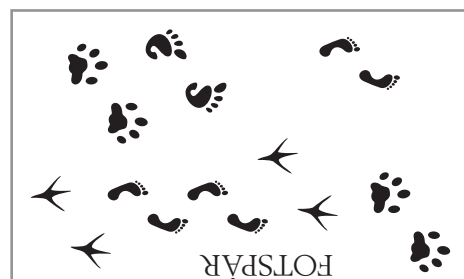
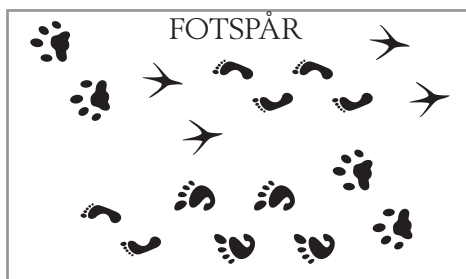
Morten is going to slid both of them on top of the board shown in the middle. Then he cannot see the pictures behind the darkened squares. He will only see one of the pictures . Which one?

- A: B: C: D: E:

Mexico



4. There is a picture of footprints on the wall. One morning someone had turned it upside down and taken away a pair.

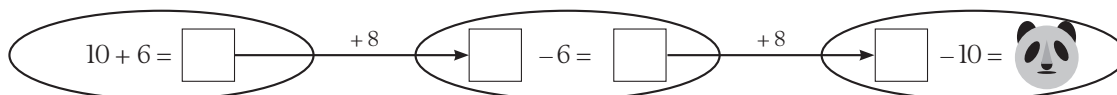


Which pair of footprint is missing?



Denmark

5. What number is hidden behind the panda?



A: 16

B: 18

C: 20

D: 24

E: 28

Canada

6. In the tables correct sums are shown. What number is in the box with the question mark?

+	11	7	2
6	17	13	8
		?	11

A: 10

B: 12

C: 13

D: 15

E: 16

Catalonia

7. Olga accidentally broke the mirror into pieces. How many pieces have exactly four sides?



A: 2

B: 3

C: 4

D: 5

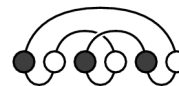
E: 6

Belarus



8. In the figure on the right we see a necklace of six beads.

How can it look like if you put it in a circle?



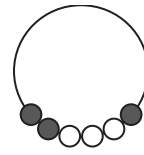
A



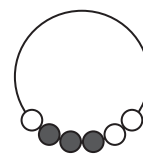
B



C



D

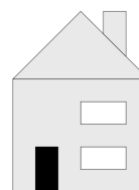


E

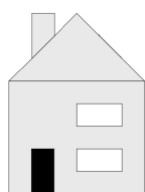
Russia

Four point problems

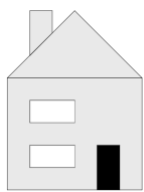
9. The picture shows the front of the house of Ada.
The rear of her house has three windows and no door.



What view does Ann see when she looks at the rear of her house?



A



B



C



D



E

Netherlands

10. $\bullet + \bullet + \bullet + \bullet + \blacksquare = \blacksquare + \blacksquare + \blacksquare$

Which one is true?

A: $\bullet = \blacksquare$

B: $\bullet + \bullet + \bullet = \blacksquare$

C: $\blacksquare + \blacksquare + \blacksquare = \bullet$

D: $\blacksquare + \blacksquare = \bullet$

E: $\bullet + \bullet = \blacksquare$

Denmark

11. Balloons are sold in packets of 5, 10 and 25. Marit buys exactly 70 balloons.
What is the smallest number of packets he could buy?

A: 3

B: 4

C: 5

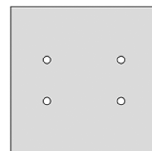
D: 6

E: 7

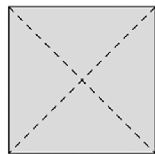
Norway



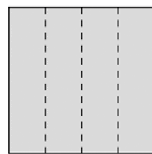
12. Ali folded a piece of paper. He cut exactly one hole in the paper. Then he unfolded the piece of paper and saw the result as shown in the picture.



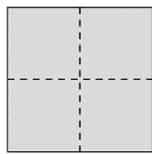
How had Ali folded his piece of paper?



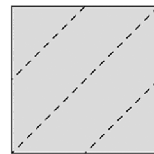
A



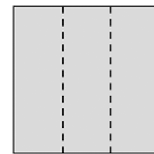
B



C



D



E

Norway

13. There is a tournament at the sports field.
Six teams with an equal number of members are needed for the tournament.
First 13 children signed up and then another 19 signed up.
At least how many more children need to sign up so that the six teams can be formed?

A: 1

B: 2

C: 3

D: 4

E: 5

Schweiz

14. Numbers are placed in the cells of the $4 \cdot 4$ square shown in the picture. Find the $2 \cdot 2$ square where the sum of the numbers in the four cells is the largest.
What is that sum?

1	2	1	3
4	1	1	2
1	7	3	2
2	1	3	1

A: 11

B: 12

C: 13

D: 14

E: 15

Russia

15. Daniel wants to cook five dishes on a stove with only two burners.
The times needed to cook the five dishes are 40 min, 15 min, 35 min, 10 min and 45 min.
He may only remove a dish from the stove when it is cooked.
What is the shortest time in which he can do it?

A: 60 min

B: 70 min

C: 75 min

D: 80 min

E: 85 min

Poland

16. Which number should be written in the circle containing the question mark?

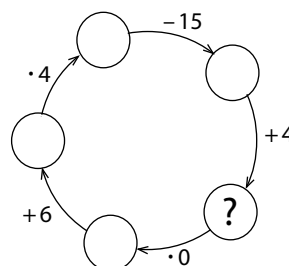
A: 10

B: 11

C: 12

D: 13

E: 14

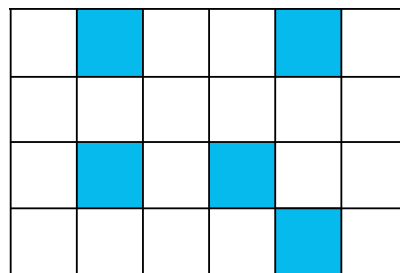


Serbia



Five point problems

17. Marcus wants the amount of white squares to be twice the number of black squares.
How many white squares must he paint?



A: 3 B: 6 C: 8 D: 12 E: 16

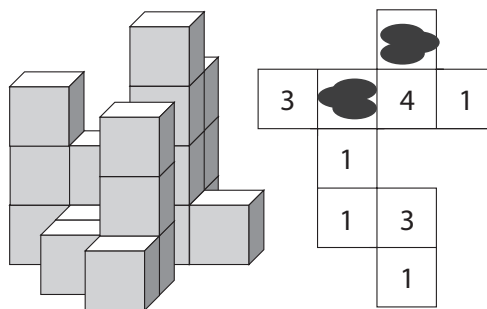
18. Max, Lina, Karim, Jan and Ilona knitted scarfs. Jan's scarf is the longest. It is 5 cm longer than Lina's. Karim's scarf is 10 cm shorter than Ilona's scarf, which is exactly 95 cm. Max knitted 30 cm more than Karim but 10 cm less than Lina.

How long is Jan's scarf?

A: 120 cm B: 125 cm C: 130 cm D: 135 cm E: 140 cm

19. The picture shows a group of building blocks and a plan of the same group.
There has been some spots on the plan.

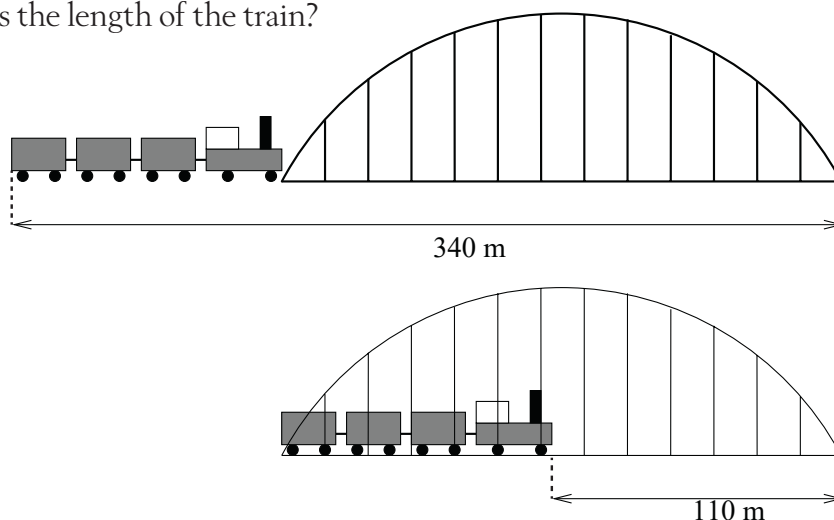
What is the sum of the numbers we can't see?



A: 3 B: 4 C: 5 D: 6 E: 7

Slovakia

20. What is the length of the train?



A: 55 m B: 115 m C: 170 m D: 220 m E: 230 m

Poland



21. Four brothers have eaten 11 cookies in total. Each of them has eaten at least one cookie and no two of them have eaten the same number of cookies. Three of them have eaten 9 cookies in total and one of them has eaten exactly 3 cookies. How many cookies have been eaten by the boy who has eaten the largest number of cookies?

A: 3 B: 4 C: 5 D: 6 E: 7

Italy

22. Maria has hidden a smiley ☺ in some of the cells of the table. In some of the other cells she writes the number of smileys in the neighbouring cells as shown in the picture. Two cells are said to be neighbouring if they share a common side or a common corner. How many smileys has Maria hidden?

	3	3	
2			
		2	
	1		

A: 4 B: 5 C: 7 D: 8 E: 11

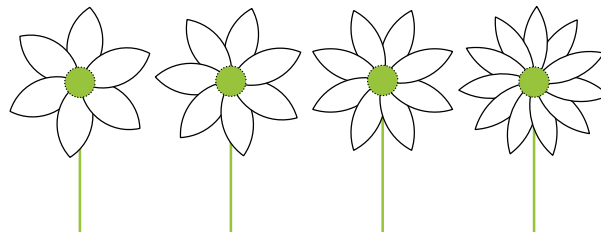
Poland

23. Ten bags each contain a different number of buns from 1 to 10. Five boys each took two bags of buns. Adam got 5 buns, Bogdan got 7 buns, Clara got 9, and David got 15. How many buns did Elsa get?

A: 9 B: 11 C: 13 D: 17 E: 19

Poland

24. Amina has 4 flowers, one with 6 petals, one with 7 petals, one with 8 petals and one with 11 petals.



She tears off one petal from three flowers. She does this several times, choosing any three flowers each time. She stops when she can no longer tear one petal from three flowers.

What is the *smallest* number of petals which can remain?

A: 1 B: 2 C: 3 D: 4 E: 5

Belarus



Svarsblankett

Markera ditt svar i rätt ruta

Uppgift	A	B	C	D	E	Poäng
1						
2						
3						
4						
5						
6						
7						
8						
9						
10						
11						
12						
13						
14						
15						
16						
17						
18						
19						
20						
21						
22						
23						
24						
SUMMA						

Namn:.....

Klass:.....