



B: 2



7. Ronja folded a piece of paper, used a hole puncher and punched exactly one whole in the paper. The unfolded the paper can be seen in the picture. Which of the following pictures shows the lines along which Ronja folded the piece of paper?



А	В	С	D	Е
				Norway

 $1111 \cdot 1111 = 1234321$ 8.

A:1

Hur much is 1111 · 2222

A: 2468642	B: 2345432	C: 2234322	D:3456543	E: 4321234
1112.000.1	2120 10 102	01220.022	210 1000 10	

Finland

Four point problems

9.	The 5 keys fit numbers on t letters on the	the 5 padlock he keys refer t padlocks	s. The o the D	AD BH	ID	414	4812
	What is writt	en on the last	key?	AHD	HAB		
	A: 382	B: 282	C: 284	D:8	323	E: 824	Denmark

10. Two boys are taking part in the Kangaroo contest and work through the problems at different speeds. In the time it takes Petter to solve two problems, Albin manages to solve three problems. In total the boys solve 30 problems. How many more problems did Albin solve than Petter?

	E: 15	D:10	C:8	B: 6	A:5
Belarus					

11 The construction is made of cubes with side length 1. David wants to put the construction into a regular box. Which of the following boxes is the smallest he can use?

A:3x3x4	B:3x5x5	C:3x4x5
D:4x4x4	E:4×4×5	

12 Lara went hiking in the mountains for 5 days. She started on Monday and her last trip was on Friday. Each day she walked 2 km more than the day before. When the tour was over, her total distance was 70 km. What distance did Lara walk on Thursday?

13 The Modern Furniture store is selling sofas, loveseats, and chairs made from identical modular pieces as shown in the picture. Including the armrests, the width of the sofa is 220 cm and the width of the loveseat is 160 cm.



 $1 \in$ and the third wand doubles the amount.



In which order must he use these wands to obtain the largest amount of money?



Russia

15. Rafael has drawn three squares. The first one has side length 2 cm. The second one has side length 4 cm and a vertex is placed in the centre of the first square. The last one has side length 6 cm, and a vertex is placed in the centre of the second square, as shown in the picture. What is the area of the figure?

A: 55 cm ²	B: 51 cm ²	C: 46 cm ²	
D: 40 cm ²	E: 36 cm ²		Catalonia

16. Four players scored goals in a handball match. All of them scored a different number of goals. Among the four Mia was the one who scored the least number of goals. The other three have scored 20 goals in total. What is the largest number of goals Mia could have scored?

A:2	B: 3	C:4	D:5	E: 6	
					Norway

Five point problems

17. There is a picture of a kangaroo in the first triangle. Dotted lines act as mirrors. The first 2 reflections are shown.



What does the reflection look like in the shaded triangle?



Mexico

18. When we add the numbers in each row and along
the columns we get the results shown. $a \ b \ \rightarrow 2$
 $c \ d \rightarrow 3$ Which statement is true? $c \ d \rightarrow 3$ A: a=dB: b=cC: a>dD: a < dE: c > bPakistan





20. The numbers 1, 2, 3, 4, and 5 have to be written in the five cells in the figure in the following way: - If a number is just below another number, it has to be greater. – If a number is just to the right of an other number, it has to be greater. In how many ways can this be done?

E:8

21. Eight kangaroos stood in a line as shown in the diagram.

D:6

C:5



At some point, two kangaroos standing side by side and facing each other exchanged places by jumping past each other. This was repeated until no further jumps were possible.

How many exchanges were made?

A:3

B:4

A: 2	B: 10	C:12	D:13	E:16	
					Belarus

22. A bag contains only red marbles and green marbles. For any 5 marbles we pick, at least one is red and for any 6 marbles we pick, at least one is green. What is the largest number of marbles that the bag can contain?

A:11	B:10	C:9	D:8	E: 7	
					Italy

Denmark



23. Three girls have their own favorite numbers. Anna likes even numbers, Birgitta likes numbers divisible by 3, Carolina likes numbers divisible by 5. Each of these three girls went separately, one by one, to a basket containing 8 balls with numbers written on them, and took all the balls with numbers she likes. It turned out that Anna collected balls with numbers 32 and 52, Birgitta collected balls with numbers 24, 33 and 45, Carolina collected 20, 25 and 35.

In what order did the girls approch the basket?

- A: Birgitta, Carolina, Anna
- B: Carolina, Birgitta, Anna
- C: Birgitta, Anna, Carolina
- D: Anna, Carolina, Birgitta
- E: Carolina, Anna, Birgitta

Poland



Germany



Svarsblankett

Markera ditt svar i rätt ruta

Uppgift	Α	В	С	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						

Namn:.....

Klass:....