

2025

KENGURUKONKURRANSEN Problems in English

Ecolier

(4.-5. trinn)







3 points



3. Simona writes the four digits 2, 0, 2 and 5 in the four boxes.

$$\Box + \Box - \Box + \Box$$

Which order would give her the largest result?

(A) 0, 2, 2, 5 (B) 0, 5, 2, 2 (C) 2, 5, 2, 0 (D) 5, 0, 2, 2 (E) 5, 2, 0, 2



4. Which rope ties into a knot when the ends are pulled?



5. Mia is joining small cubes, adding one at a time, to build a 3 x 3 x 3 cube. She took pictures at 5 different moments.

What does Mia's fourth picture look like?



 Kalle the Kangaroo jumps from the School to the Zoo as follows: ↑2, ^K2, ^L1, 4.

Then, he jumps from the Zoo as follows: \rightarrow 3, 72, \uparrow 2.

(C)

(D)

Which house will he get to?

(B)

(A)





7. On a normal dice, the total number of spots on two opposite faces is always 7.

Which one of the dice shown below could be a normal dice?



8. Nils and Ellen pay with shells and marbles in their play shop. Each shell has a value of 6 and each marble has a value of 1.

Which of the following has a total value of 16?



4 points

9. In a circular playground, Zara and Leo set off from point A at the same time. Leo walks clockwise, while Zara runs counterclockwise. They meet for the first time at point B, for the second time at point C, for the third time at point D, and finally, they meet for the fourth time back at point A.



How many laps did Zara run in total?





10. Which pinwheel can Jorge build with these 3 rods?



11. Anna, Bonnie and Caspar have some kangaroo cookies on their plates, as shown.



Then they share the remaining 15 cookies on the tray so that everyone now has the same number of cookies on their plates.



How many more cookies does Anna get?

(A) 4 (B) 5 (C) 6 (D) 7 (E) 8

12. In the morning, 5 friends had identical fully charged mobile phones. By the evening, Bob had spoken on the phone as much as Ann and Cristina together. Bob ran out of power. David had not used his phone at all.





13. In the petting zoo, Renate feeds 6 sheep.

Along which lines could he cut?

What will the bottom row look like?

She gives them a total of 210 grams dry food for lunch.

She gives the smallest sheep twice as much food as she gives to each of the others.



14. Torgeir wishes to slice a pizza into 2 halves.
He also wishes to have the same number of tomatoes on each half.
It is possible for him to do this with two different cuts.



- (A) 1 and 3 (B) 1 and 4 (C) 2 and 3 (D) 2 and 4 (E) 3 and 4
- **15.** Fill each cell in the grid with 1, 2, or 3, so that each row and column contain no duplicate numbers. The numbers in the upper left corners of the cells represent the sum of the numbers in the dashed boxes.



1	2	3	1	3	2	2	1	3	2	3	1	3	1	2
	(A)			(B)			(C)			(D)			(E)	



Kengurukonkurransen ECOLIER 2025

16. 6 ladybirds have 1, 2, 3, 4, 5 or 6 spots each.Marta took 4 photos of them in groups of 3.Each ladybird appeared the same number of times in the photos. 3 of the photos, along with the outline of the fourth photo, are shown here.

How many spots do the three ladybirds in Marta's fourth photo have in total?

(A) 9 (B) 10 (C) 11 (D) 12 E) 23



5 points

17. Maria fills the circles with the numbers 1, 2, 3, 4, 5, 6 and 7.The number in each of the lower circles is equal to the sum of the two numbers in the connected circles above it.

What number is in the circle marked with \bigstar ?



18. Bendik makes a square from 4 rectangular pieces. 3 of the pieces he uses are shown:



Which of the following is the fourth piece he uses?





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19. The construction uses 11 identical bricks.The construction has length 100 cm and width 60 cm.



20. Erling has built a staircase using black and grey cubes.He arranges each cube, so each face does not touch a face of another cube with the same colour.One of the black cubes is shown in the figure.

What will Erling's staircase look like from above?



21. A pair of scales is used to weigh 3 different objects: cubes, stars and pearls. The results are shown below.



Each type of object has a different mass. The masses can be 1, 2, 3, 4, or 5 kg.

What is the mass of one cube?

(A) 1 kg	(B) 2 kg	(C) 3 kg	(D) 4 kg	(E) 5 kg



22. Five square templates made of paper are marked with dashed lines.



By cutting along the dashed lines, only one of the square templates can be puzzled into the rectangle, shown to the right below. The pieces cannot overlap.



Which one of the square templates?

	(A) A	(B) B	(C) C	(D) D	(E) E
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23. The picture shows the page for one month of a calendar, without any of the dates. The total of the dates for the 2 shaded days is 29.

Mon	Tue	Wed	Thu	Fri	Sat	Sun

On what day of the week does the first day of the month fall?

(A) Monday (B) Tuesday (C) Wednesday (D) Thursday (E) Sunday

Kengurukonkurransen ECOLIER 2025



24. Lucas is selling fruit at the marked.

He has written down the number of pieces of different fruit that he has. Unfortunately, some digits have been covered by paint.

In total, he has 106 pieces of fruit, but he remembers that:

- the number of pieces of two of the types of fruit he has are equal.
- he has twice as many of one type of fruit as he does of some other type.
- he has more than 10 pieces of each type of fruit.

How many bananas does he have?

(A) 13 (B) 23 (C) 43 (D) 53 (E) 63





Answer sheet for the student

Name:

Mark your answer in the schema below

Problem	Α	В	С	D	E	Points
1						
2						
3						
4						
5						
6						
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24						
					Sum	