



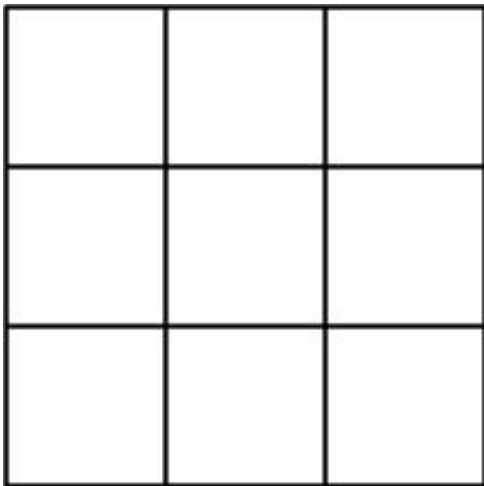
Task 1

In a chess competition, Lars came before Anna, Petter came after Henriette, and Anna came before Henriette. Who came last?

A: Petter B: Anna C: Lars D: Henriette

Task 2

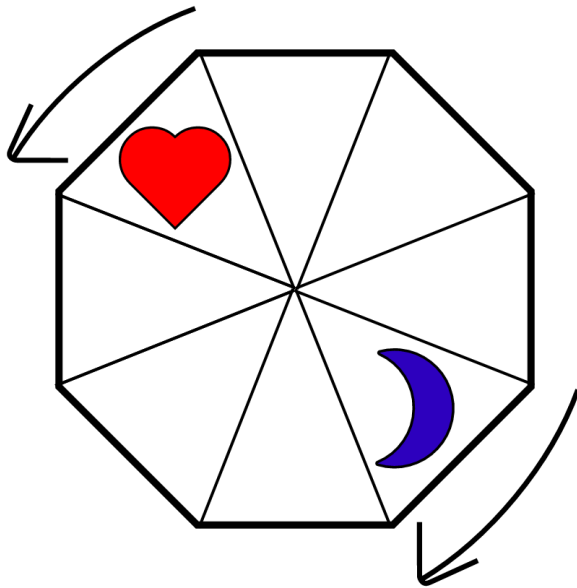
What is the smallest number of straight lines you can draw on this grid so that each square has a line going through it?



A: 5 B: 7 C: 3 D: 2

Task 3

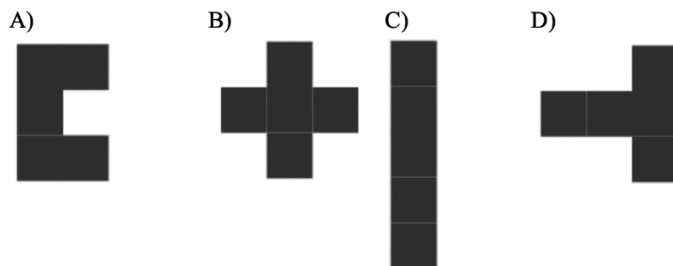
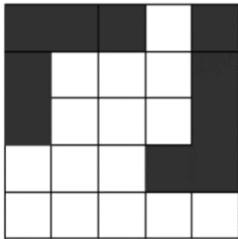
The heart and the moon are positioned as shown in the figure. The moon moves three steps clockwise. The heart moves four steps counterclockwise. Calculate how many times this must be repeated before the moon and the heart end up in the same square?



A: 1 B: 3 C: 6 D: 4

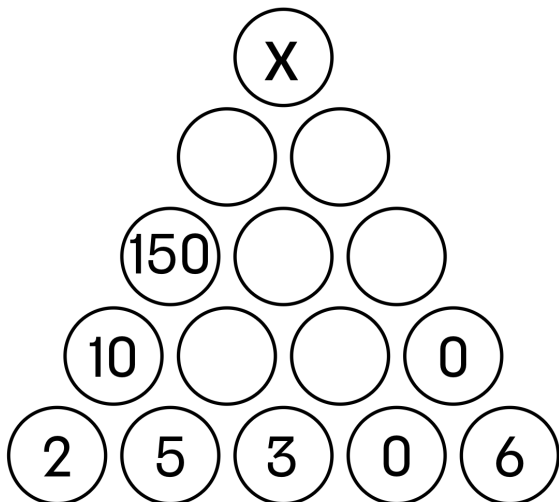
Task 4

Jostein has placed two black pieces on a grid as shown in the figure below. We choose one of the other black pieces and place it on the grid. Black squares should completely cover white squares. Which piece can we use so that none of the others fit afterwards?



Task 5

The numbers in this pyramid follow a specific pattern. Which number would be in the upper circle (X) if this pattern is followed?

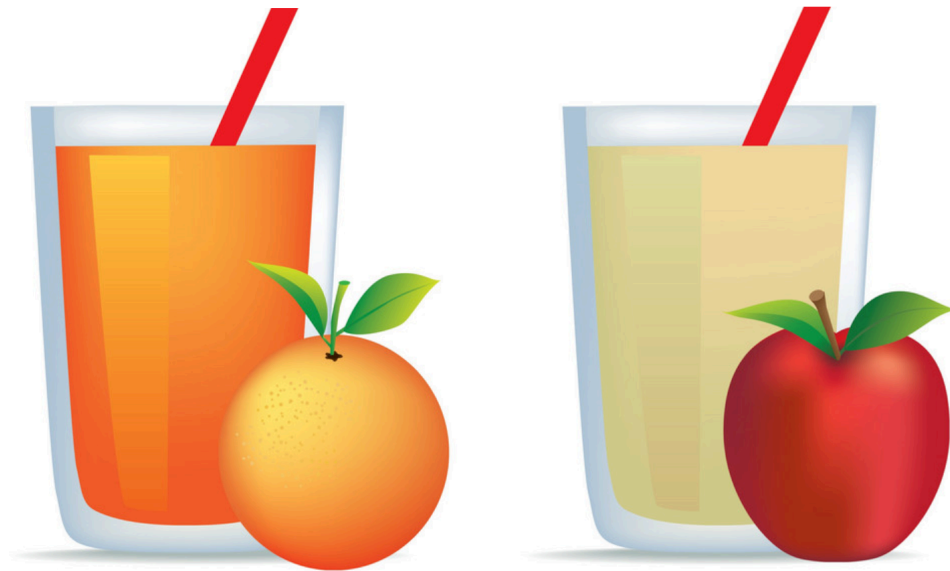


- A: 3750 B: 2500 C: 10 D: 0

Task 6

You have two glasses, one with apple juice and one with orange juice. First, you take a full spoonful from the glass of apple juice and pour it into the glass of orange juice. Then, pour back a full spoonful of orange juice into the glass of apple juice. Is there now more apple juice in the glass with orange juice or more orange juice in the glass with apple juice?

- A. More orange juice in the glass with apple juice.
- B. More apple juice in the glass with orange juice.
- C. Same amount in both.
- D. Impossible to solve.





Class: _____ School: _____

Answer sheet:

Task:	A	B	C	D
1.				
2.				
3.				
4.				
5.				
6.				