



XXIX International Math Olympiad For Elementary School "Two Times Two"

February 8, 2026

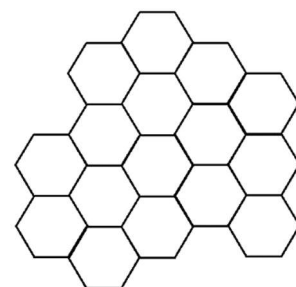
Older division, 4rd grade.

Read the tasks carefully. You can solve them in any order you like. Your answers and solutions must be written on the answer sheet.

Task 1. A number is written on the board. If one digit is crossed out, the number becomes 43875. If a digit in a different place is crossed out, the number becomes 47385. What number is written on the board?

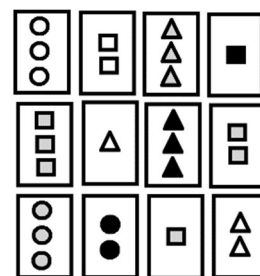
Task 2. Today is Sunday, 08.02.26 – all digits in the date are even. Find the nearest past Sunday (from which the fewest days have passed until today's date) whose date is also written using only even digits.

Task 3. The figure on the right is composed of identical regular hexagons. Cut this figure along the grid lines into 4 parts of equal area and equal perimeter, but all of different shapes.

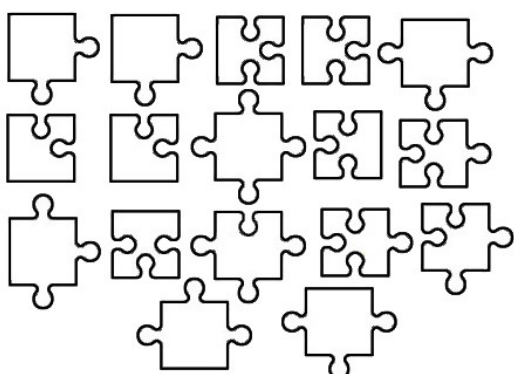


Task 4. Sherlock Holmes is trying to crack a safe code. The code is a combination of four letters. Holmes tried the combinations UVKA, UKAV, KUVA and found out that each differs from the correct code only by the swapping of two letters. What could be the correct safe code?

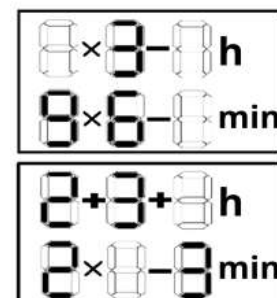
Task 5. In the game of Set there are cards depicting circles, triangles, or squares in white, gray, or black, in quantities of 1, 2, or 3. Each image has three parameters: shape, color, and quantity. A set is a group of three cards where for each parameter, it is either the same for all three cards or different for all three cards. Peter and Vance take turns placing one card on the table and count how many new sets appear after placing that card. The player who placed the card scores that number of points. In the picture on the left, Vance placed the last card and scored five points. Which card did Vance place?



Task 6. In one school, there is a clock that displays time in the form of arithmetic expressions. One day, the clock suddenly stopped showing one digit (if it should appear in the expression, the space is empty).



Felix looked at the clock once, and less than half an hour later, a second time. What he saw is shown in the picture. Determine the exact times at the first and second moments. (The clock shows time in 24-hour format)



Task 7. Which one of the 17 puzzle pieces (in the picture) has to be removed so that a square can be formed from the remaining 16 pieces? Pieces can be rotated and flipped. The square's border must consist of straight segments.

Task 8. Krash, Chiko, Rosa, and Wally are trying to determine who is the oldest. Krash said Chiko is older than Rosa. Wally said he is older than Krash and Rosa combined. Chiko said there is someone among them who is older than Krash. Rosa declared she is the youngest. It turned out that everyone lied except for the oldest person. Who is the youngest and who is the oldest, given that all ages are different?