

# Elementary School Level Challenges

(Ages 8-10)

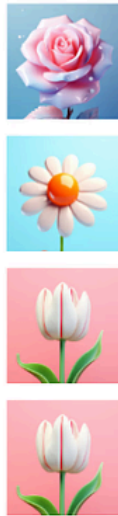
Examples

## Petal Pathway Puzzle

In this whimsical world, three kinds of flowers bloom in a magical pattern. There's a 3×3 grid pathway in the garden, and each square of the pathway has one of three types of flowers: Roses, Daisies, or Tulips.

Each flower type appears exactly three times in the grid, and no row or column can have the same type of flower more than once!

Drag and drop to complete the pathway



## The Princess Race

In a race, four princess are competing in a fun race: Aurora Elena, Belle Isabella, Cinderella Sophia, and Jasmine Nadia. They are racing in a straight line, and each princess is in her own lane. Here are some clues about their positions in the race:

- Isabella is directly to the left of Sophia.
- Elena doesn't come to the right of Isabella.
- Nadia is neither the leftmost nor the rightmost.



Can you figure out which princess is in the Track B in the race?

Elena

Sophia

Isabella

Nadia

# Middle School Level Challenges

(Ages 11-13)

Examples

## Helicopter Heights Puzzle

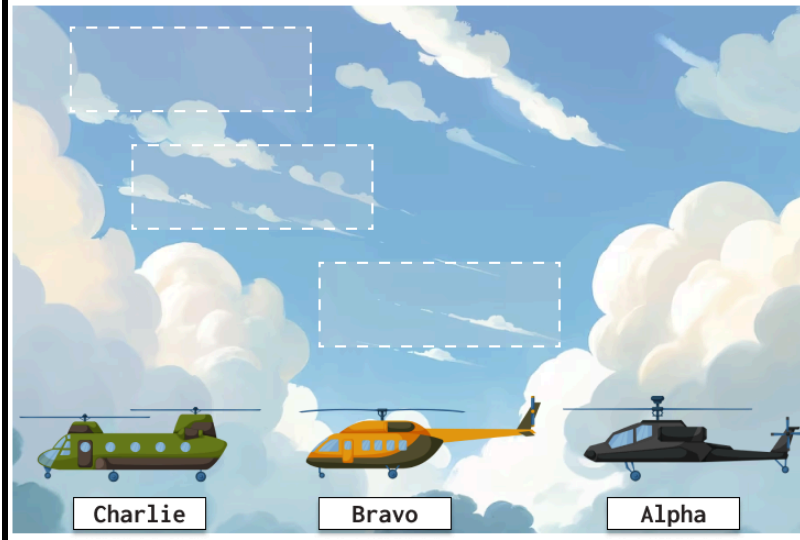
In a futuristic city, a fleet of helicopters is used for various tasks like transportation, delivery, and emergency services.

There are three helicopters: Alpha, Bravo, and Charlie. Each helicopter flies at a different set of heights: low, medium, and high.

Here are the clues:

- Alpha always flies at a higher altitude than Bravo.
- Alpha doesn't fly at a highest altitude.
- Charlie is the most powerful and doesn't fly below any other helicopter.

Using the clues provided, position each helicopter to its altitude.



## Stickers Mystery

Ally, Brian, Carl, and Derek each have 3 stickers. Each child has exactly one shape in common with each of the other children.

Ally 🍌 ❤️ 🐱

Brian 🦋 🍌 🍎

Carl 🍎 🐱 😎

Which stickers does Derek have?

🍌 🐱 🦋

🍌 ❤️ 🍎

❤️ 🦋 😎

🦋 ❤️ 🐱

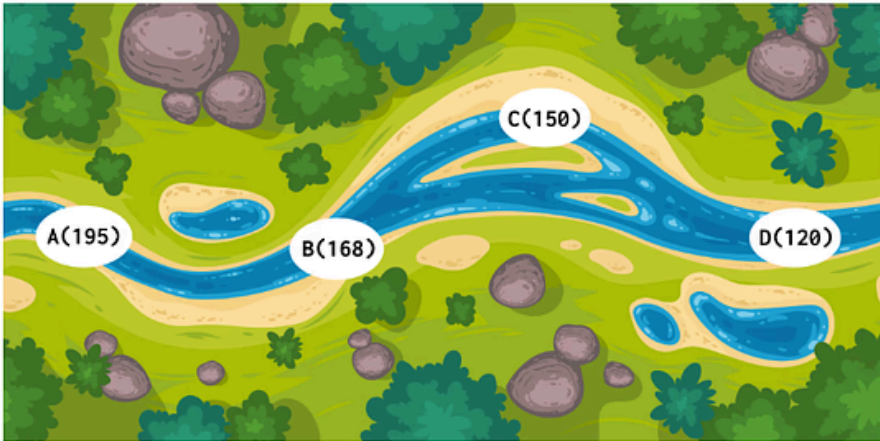
# High School Level Challenges

(Ages 14-18)

Examples

## The Numbers Treasure

You are a young detective on a mission to find the hidden treasure. The treasure map has various cities with a number allocated for each city. The map states that the treasure is hidden in the city whose number is the sum of all multiples of 3 and 5 below 30, but no number should be repeated. You need to solve the mystery to find the treasure's location.



And asks the students to count total number of squares in it

At which location is the treasure located?

195

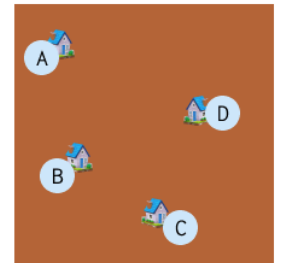
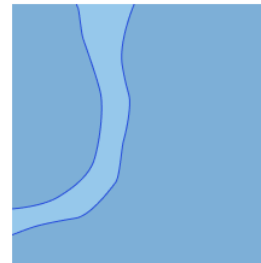
150

168

120

## Decrypt the map

Abigail is preparing for a surprise visit her sister Sheena. She managed to find three maps, each containing a different geographical feature.



One map contains all the forest covered area, another contains all the water streams, and the last one has all the house positions.

She knows that Sheena lives in the forest, where the house is close to the river bank.

Given the maps, can you find out where does Sheena lives?

Home A

Home C

Home B

Home D