

Names: _____

Time Crunch Escape

Complete the tasks to earn as many points as possible in 20 minutes.

Task 1

You find a backpack with a 3-digit lock.

A sticky note nearby says:
The numbers are all different.

- The sum of the numbers is 9.
- The number in the hundreds place is twice the number in the tens place.
- The number in the ones place is not 1.

What is the code to open the backpack?

5 points

Task 2

Four students (Alex, Bella, Carlos, and Dana) each have a different after-school activity: soccer, piano, art class, and swimming.

They all occur at different times: 3:00, 3:30, 4:00, and 4:30.

Here are the clues:

- Carlos goes to his activity later than the person who has art class.
- Bella's activity is at 3:30.
- Dana does not go to soccer or piano.
- The student going swimming goes at 4:30.
- Alex has his activity before Dana.

Who is doing what, and at what time?

10 points

Task 3

Five students (Mia, Ethan, Lily, Noah, and Grace) were in the kitchen when the last cookie went missing.

Only one of them is telling the truth. The others are lying.

Here's what they each said:

- Mia: "It wasn't me."
- Ethan: "Lily took the last cookie."
- Lily: "Grace didn't take it."
- Noah: "Ethan is lying."
- Grace: "Noah did it."

Who actually took the last cookie?

10 points

Task 4

The principal has locked the treasure box of treats inside locker #237, but she forgot the code! She left behind some clues. Your task is to solve the clues and figure out the 3-digit locker code.

Clues:

Clue #1 – The Hundreds Digit

It's the number of sides on two triangles plus the number of corners on a square.

Clue #2 – The Tens Digit

It's half of the number you get when you multiply 3 by 6.

Clue #3 – The Ones Digit

It's the number of letters in the word "seven."

What is the code?

15 points