

### MMOS QUIZ RULES AND REGULATIONS

- The Quiz will be conducted during the LIVE lesson. Upon submission of the quiz, you will receive your results via email.
- Please login to your Google Account in your web browser before the lesson. You must login to participate in the Quiz. ([Click Here](#) to create a Google Account)
- Each Google Account is only allowed to submit the Quiz ONE (1) TIME. You will be given time to do so during the LIVE lesson. Please wait till then, we will do it together! 😊

[>>> CLICK HERE TO LOGIN AND START THE QUIZ <<](#)

### Group A – Lesson 8

#### Problem 1

During the COVID-19 lockdown, three girls were suspected of traveling overseas. An investigator from the Ministry of Health interviewed the girls:

Raina: “I was at home all day every day.”

Sofia: “I went to the Great Wall of China.”

Tania: “Raina posted an Instagram photo of herself at the airport!”

If one girl was lying, who should be quarantined?

**Problem 2**

The teacher writes a 4-digit number on the whiteboard. The hundreds digit is the sum of the tens and ones digits. The thousands digit is the sum of the other three. Given that the sum of all four digits is 12 and no digit is repeated, what is the smallest possible number?

**Problem 3**

Sally is younger than Tristan but older than Umar. Vivian is younger than Winnie but older than Sally. Who is the youngest among these five people?

**Problem 4**

Alan has an old grandfather clock that is moving slower than normal. Every day at 9:00 am, it shows 8:30 am so Alan has to reset it. One day, Alan went on a 4-day vacation. He left his house at 9:00 am on a Monday after resetting the clock. When Alan returned at 9:00 pm on a Thursday evening after the vacation, what time did the clock show?

**Problem 5**

A bus leaves the terminal with some passengers on board. At the next stop, 13 alighted and 6 boarded. Then, 8 alighted and 21 boarded. Finally, half of the passengers alighted and 18 boarded. There were 33 passengers remaining in the end. How many passengers were there at the beginning?

**Problem 6**

Observe the sequence below. How many numbers are there altogether?

1, 2, 2, 3, 3, 3, 4, 4, 4, 4, 5 ..., 9, 10, 10, 10, 10, 10, 10, 10, 10, 10, 10.

**Problem 7**

Richard chooses any number from 1 to 10. He then adds 34 to it and subtracts 29 from the resulting sum. Afterwards, he adds 55 to the difference. Finally, he subtracts the original number from the sum. What is the number he will get after these operations?

**Problem 8**

A café orders 20 packs of coffee beans each week. Every week, half of the coffee beans in stock will be sold. 20 packs of coffee beans remain at the end of the 10<sup>th</sup> week. How many packs of coffee beans were there at the café at the start of the 1<sup>st</sup> week?