DAY-6

classmate
Date _____
Page _____

Q1 Find odd man out
3, 5, 11, 14, 17, 21

Ans 14 - only even
others are add

Q2 306, 462, 572, 427, 571, 264

@ 306   ⓑ 427   © 571   ⓓ 264

Ans Sum of 1st & last digit = mid digit

eg 3+6=9 ,   6+1=7
but 4+7≠2

Q3 2, 5, 10, 17, 26, 37, 50, 64

@ 50   ⓑ 26   © 37   ⓓ 64

Ans rest no.s are squares of a no.+1
$1^2+1=2$ $3^2+1=10$
$2^2+1=5$
but 64= 8^2

Q4 331, 482, 651, 263, 383, 362, 284

A₃ 383 , ∵ 3×3=9 ≠ 8
331 ⇒ 3×1= 3

Q5 $\overset{41}{\cancel{2}}$, 43, 47, 53, 61, 71, 73, 81 $\checkmark$

Ay $41 + 2 = 43$

$43 + 4 = 47$

$47 + 6 = 53$

$53 + 8 = 61$

$61 + 10 = 71$

$71 + 12 = 83 \neq 73$

→ except 81, each no. is a prime no.