DATE: M T W T F S

14

GSA, TEST #4.

QUESTION #1:

(a) Find the missing term.

1. 2, 3, 6, 4, 5, 20, ——, 3, 18.

Sol) 2, 3, 6, 4, 5, 20, 6, 3, 18.
(×=6, ×=20, ×=18)
1 3 -2

4

The missing number is 6.

(b) 1, 3, 9, 15, 25 —— 49.

Sol) 1, 3, 9, 15, 25 35 49.
2 6 6 10 10 10+4=14
4 0 4 0

The missing number is 35.

(c) 2, 7, 10, 22, 18, 37, 26 ——.

Sol) 2, 7, 10, 22, 18, 37, 26 ——.
5 3 12 -4 19 -11
+9

DATE: M T W T F S DAT

2, 7, 10, 22, 18, 37, 26 53 ✗ (d)

5 3 12 -4 19 -11

-2 +9 -16 +23 -30 Sol

(4) 34, 7, 37, 14, 40, 28, 43 ___

Sol

×2 ×2 ×2

34, 7, 37, 14, 40, 28, 43 56 ✓

3 3 3

The missing no is 56.

(5) 5, 7, 11, ___ 17, 19. Q3.

Sol

5, 7, 11, 13, 17, 19.

2 4 2 4 2

The missing no is 13. ✓ Sol

DATE: M T W T F S

(d) The greater of 2 nbrs ...
... nbrs?

Sol) $2x + x = 96$.

let the nbr be (x)

let '2x' be the nbr twice

$\frac{3x}{3} = \frac{96}{3}$

$x = 32$, $2(32) = 64$

The smaller nbr is (32).
while the bigger nbr is (64).

Q3. QUESTION #3.

Three partners share the ... invests.

Sol) 3 partners : A, B, C.

ratio of profit = 5 : 7 : 8 = 20

partnered for A = 14 months.

B = 8 months.

C = 7 months.

DATE: M T W T F S

Ratio of (A's) investment.

$= \frac{5x \times 14}{20} = \frac{70x}{20} = 3.5x$

Ratios of (B's) invest.

$= \frac{7x \times 8}{20} = \frac{56x}{20} = (2.8)$

Ratio's of C's invest.

$= \frac{8x \times 7}{20} = \frac{56x}{20} = (2.8)$

The ratios of their invests are;

3.5 : 2.8 : 2.8.

(B) The average ... 91.

(Sol): Let the odd nbrs be $(2n+1)$.

Second odd nbrs be $(2n+3)$

3rd " " $(2n+5)$.

$\frac{2n+1+2n+3+2n+5}{3} = 91$

$6n + 9 = 273$

$\frac{6n}{6} = \frac{264}{6}$ $\quad n = 44$

DATE : __/__/____

put value of n in 2n+1, 2n+3, 2n+5.

2(44)+1 = 89.
2(44)+3 = 91
2(44)+5 = 93.

The three consecutive odd numbers are;

89, 91, 93.

5