

Section #2

1/1/2025

Q

Q#7

Dos and Don'ts for the General Science & Ability Paper

Data

Hi there — you've prepared well! Remember, knowing the content is one thing, but presenting it in the paper exactly as required is another. Here are a few key points to keep in mind:

let number be x
tenth is $= x$

Unit =

that exceed 100
fairly. $200 - (1)$

product and sum of number = 144

1. For a 5-mark part, aim to write at least 2 and at most 3 sides of the answer sheet. Often, a question has two or three parts, and the marks are divided accordingly — so address each part fairly.

2. Manage your time wisely — you have about 35 minutes per full question, which comes down to around 8 minutes for each 5-mark part. Stick to this to avoid rushing later.

3. Make your answers look scientific, not just theoretical. Use flowcharts and diagrams wherever they add clarity.

$$x = 144 - y$$

put in eq (1)

$$y = 2(144 - y)$$

$$y = 288$$

4. Neatness matters — keep your handwriting clean, avoid cutting or overwriting.

5. Mind your spelling and grammar — while GSA doesn't deduct marks for these, your expression leaves an impression.

6. In the ability portion, explain analytical ability questions in words. For a 5-mark part, show all steps and provide clear explanations.

$$\begin{aligned} \text{So } x &= 96 \\ x(96) &= 144 \\ &= 144 \end{aligned}$$

Good luck for CSS 2026 — you're going to ace it, in sha Allah! 🌟

(b)

$$S_3 - 13 = 40$$

$$40 - 13 = 27$$

$$27 - 13 = 14$$

$$\begin{array}{r} 27 \\ 13 \\ \hline 14 \end{array}$$

SO

$S_3, S_3, 40, 40, 27, 27, 14, 14$

(11)

$$\begin{array}{r} 14 \\ 14 \\ \hline 28 \end{array}$$

$$28, 14 + 14 = 28$$

$$\begin{array}{r} 28 \\ 8 \\ \hline 20 \end{array}$$

$$28 - 8 = 20$$

$$\begin{array}{r} 20 \\ 20 \\ \hline 40 \end{array}$$

$$20 + 20 = 40$$

$$\begin{array}{r} 40 \\ 8 \\ \hline 32 \end{array}$$

$$40 - 8 = 32$$

$$\begin{array}{r} 32 \\ 32 \\ \hline 64 \end{array}$$

$$32 + 32 = 64$$

$$\begin{array}{r} 64 \\ 8 \\ \hline 56 \end{array}$$

$$64 - 8 = 56$$

$$\begin{array}{r} 56 \\ 8 \\ \hline 64 \end{array}$$

SO

$14, 28, 20, 40, 32, 64, 56$

(111)

$8, 6, 9, 23, 87, 12, 10, 29$

$$23 + 12 = 35$$

$$\begin{array}{r} 87 \\ 23 \\ \hline 110 \end{array}$$

SO

BF IV

B.F.R, V

$$\begin{array}{r} 87 \\ 23 \\ \hline 110 \end{array}$$

14 + 23 = 37
110 + 37 = 147

4 2 3

A B C D E F G H I J K L M N
O P Q R S T U V W X Y Z

(V)

$V, u, w, v, x, w, y, x, z, y$

Vu, wv, xw, yx, z

(C)

(C) $20\% \times w = b \Rightarrow 0.2a = b$

$\frac{b}{20} = ?$

$\frac{b}{100} \times 20 \Rightarrow 0.2b$

$0.2a = b$

So $\frac{b}{20\%}$ of w is same as

(d)

Q#5 → (a)

Consecutive prime numbers Sum = 187

Let x be the prime number

$$x_1 + x_2 + x_3 = 187$$

$$59 + 61 + x_3 = 187$$

59
61
120

$$120 + x_3 = 187$$

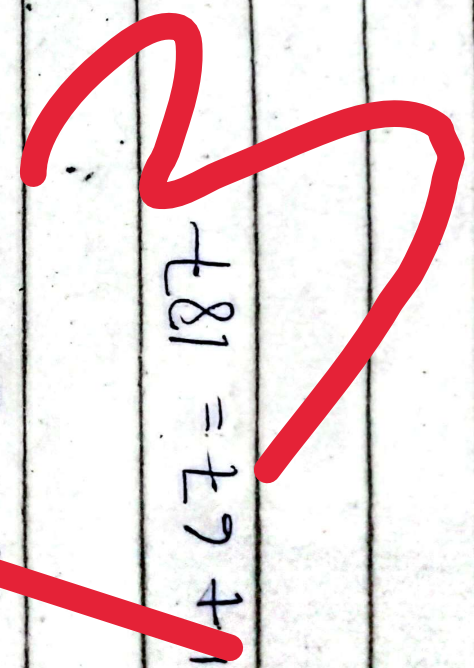
$$x_3 = 187 - 120$$

$$x_3 = 67$$

$$x_3 = 67$$

So

$$59 + 61 + 67 = 187$$



(b)

Let x be the number

$$x^2 + 17x = 60x$$

$$x^2 + 17x = 60$$

$$x^2 + 17x - 60$$

$$x^2 - 12x - 5x - 60$$

$$x(x-12) - 5(x-12)$$

$$(x-5)(x-12)$$

$$x=5 \text{ or } x=12$$

(c)

$$P_1 = 175000$$

$$P_2 = 262500$$

Population increased

$$262500 - 175000$$

$$87500$$

% of increase

$$\frac{87500}{175000} \times 100 =$$

$$50\%$$

$$\begin{array}{r} 875 \times 100 \\ \hline 1750 \end{array}$$

$$\begin{array}{r} 875 \times 10 \\ \hline 8750 \end{array}$$

$$\begin{array}{r} 1750 \\ 35 \\ \hline 7 \end{array}$$

$$\begin{array}{r} 1750 \\ 25 \\ \hline 70 \end{array}$$

$$\begin{array}{r} 71 \\ \hline 71 \end{array}$$

50% increase in population

$$\begin{array}{r} 25 \\ 20 \\ \hline 50 \end{array}$$

(d)

Number of Eggs = 20
price 375/dozen

(d)

$$\text{Price} = 33/\text{egg}$$

total number of eggs

$$20 \times 12 = 240 \text{ eggs}$$

$$33 \times$$

Price at which all eggs sold

$$= 33 \times 240$$

$$7920$$

$$\begin{array}{r} 7920 \\ 240 \\ \hline 33 \end{array}$$

11.8x

Price of purchasing egg
20x375

Rsc = 7500

profit = 7920 - 7500
profit = 420Rs

120
500
420