

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

MTWTFSS

SECTION - I

Date: _____

Q-6 (a) Pointing to woman, is the only daughter related to Ahson

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:

Simplifying:-

Acc to statement Women's grandmother of Ahson's mother, as she is grandmother of Ahson's mother, as she is

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.

Ans:- Women is

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.

Q-4 (b) Ratio between is 3:2. If a man cycling along a road is 12km/h completes one round in 8 min.

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

Sol:- Ratio of Length to Breadth = 3:2
To find Perimeter, we need to find the distance

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

∴ Speed = $\frac{\text{Distance}}{\text{Time}}$

Distance Covered in one minute = $\frac{12000 \times 1}{60} = 200 \text{ m}$

Distance Covered in one min = 200m

Distance Covered in 8 min = $200 \times 8 = 1600 \text{ m}$

So, Perimeter = 1600m

Length = 3A

Perimeter = $2L + 2B$

= $2 \times 3A + 2 \times 2A$

= $6A + 4A$

1600 = 10A

A = $\frac{1600}{10}$

A = 160

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.

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

So, $l = 3 \times 160 = 480m$

Breadth = $2 \times 160 = 320m$

Area = $l \times B$

480×320

$= 153600 m^2$

$A = 153600 m^2$

980

320

000

960x

1440xx

153600

Q-6 In a two digit number, if it is known that its units digit exceeds its ten's digit by 2 and....

(e)

Solr

let units digit = x

ten's digit = y

According to condition

$x = y + 2$

two digit number can be $10y + x$

Sum of its digit = $x + y$

product of the number and sum of its digit = 144

$(10y + x)(x + y) = 144$

$x = y + 2$

$(10y + y + 2)(y + 2 + y) = 144$

$(11y + 2)(2y + 2) = 144$

$22y^2 + 22y + 4y + 4 = 144$

$22y^2 + 26y + 4 = 144$

$22y^2 + 26y - 140 = 0$

$2(11y^2 + 13y - 70) = 0$

$11y^2 + 13y - 70 = 0$

$y(11y + 35) - 20(4y + 35)$

$(11y + 35)(y - 2)$

135

22

70

x

70

77 40

27

80

80 x

1080

11

90

00

77 x

770

770

$$y - 2 = 0$$

$$y = 2$$

Know $x = y + 2$
 $x = 2 + 2$
 $x = 4$

So, the number is

$$\boxed{24}$$

Sum is $2 + 4 = 6$

Product of sum and number = 144

$$24 \times 6 = 144$$

$$\boxed{144 = 144} \text{ Checked}$$

(D) The L.C.M of two numbers is 48. The numbers are in ratio 2:3. Then sum of numbers?

So:- let the number is x

$$\text{L.C.M} = 48$$

$$\text{Ratio} = 2:3$$

$$\text{first number} = 2x$$

$$\text{Second number} = 3x$$

$$\text{L.C.M} = 2x \times 3x$$

$$48 = 2x \times 3x$$

$$48 = x(2 \times 3)$$

$$48/6 = x$$

$$x = 8$$

$$\text{first number} = 2x = 2 \times 8 = 16$$

$$\text{Second number} = 3x = 3 \times 8 = 24$$

$$\text{Sum of the numbers} = 16 + 24 = 40$$

Q7-a) if 40% of a number is two-third of another number. What is the ratio of first number to the second number?

Soln- let the numbers are m and y

$$40\% \text{ of } x = \frac{2}{3} y$$

$$0.4x = \frac{2}{3} y$$

$$3 \cdot 0.4x = 2y$$

$$1.2x = 2y$$

multiplying by 10

$$\frac{x}{y} = \frac{20}{12}$$

$$\frac{x}{y} = \frac{5}{3}$$

So, ratio of first number to second number is $\boxed{5:3}$

(B) On selling 17 balls at Rs. 720, there is a loss equal to cost price of 5 balls. The cost price of a ball is?

Soln-

let the cost price of a ball = x

Total cost price = $17x$

We know

Loss = Cost Price - Sale Price

$$5x = 17x - 720$$

$$5x - 17x = -720$$

$$-12x = -720$$

$$x = \frac{720}{12}$$

$$\boxed{x = 60}$$

So, cost price of a ball is 60

(c) A man is 24 years older than his son,
In two years his age will be twice
the age of his son. The present age of his son?

Sol:- let age of Man = x

age of son = y

$$x = y + 24 \quad \text{--- (1)}$$

In 2 years Man will be twice age of
his son

$$(x+2) = 2(y+2) \quad \text{--- (2)}$$

$$x+2 = 2y+4$$

$$x = 2y+4-2$$

$$x = 2y+2 \quad \text{Put in eq (1)}$$

$$x = y+24$$

$$2y+2 = y+24$$

$$2y - y = 24 - 2$$

$$\boxed{y = 22} \quad \text{Put in eq (2)}$$

$$x = 2y+2$$

$$x = 2(22)+2$$

$$x = 44+2$$

$$x = 46$$

[Present age of son = 22 years]

(D) Rashid and Kamran are working on an
assignment. Rashid takes 6h to type 32 pages
on Computer, while Kamran take 5 hours to
type 40 pages. How much time will they
take to type 110 pages on different computers.

Sol:- Rashid types 32 pages in 6 hours

Rashid type $\frac{32}{6}$ page per hour

Similarly, Kamran types 40 pages in 5 hours

Ramzan types $\frac{40}{5}$ pages per hour

By working together, they can write $\frac{32}{6} + \frac{40}{5}$ pages per hour

$$\frac{16}{3} + \frac{40}{5}$$

$$\frac{16}{3} + 8$$

$$\frac{16 + 24}{3}$$

$$\frac{40}{3} \text{ pages per hour}$$

Time required to type 110 pages = ?

$$\text{Time required} = \frac{110}{\frac{40}{3}}$$

$$= \frac{110 \times 3}{40} = \frac{33}{4}$$

~~Time required for 110 pages = 9.25~~

Time required to type 110 pages = 8.25 hours

$$\begin{array}{r} 8 \cdot 25 \\ 4 \overline{) 33} \\ \underline{32} \\ 10 \\ \underline{8} \\ 20 \\ \underline{20} \\ 0 \end{array}$$