

GSA

Final mock.

Question no 7

A- let the numbers be
 x & y .

So,

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

$$\frac{240}{5100} x = \frac{2}{3} y.$$

$$\frac{2}{5} x = \frac{2}{3} y.$$

$$\frac{x}{y} = \frac{2}{3} \times \frac{5}{2}$$

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

So, the answer is $x:y = 5:3$

x $\longrightarrow$

B- Balls sold = 17

Total Sales = Rs 720.

loss = cost price of 5 balls.

Loss = cost price - selling price.

Let the cost price be " x "

$$5x = 17x - 720$$

$$720 = 17x - 5x$$

$$720 = 12x$$

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

$$x = 60 \text{ Rs}$$

The cost price is Rs-60.

$x \longrightarrow x$

C- Man = $(x + 24)$ years old.

Son = x years old

In two years,

$$\text{son} = x + 2$$

$$\text{man} = 2(x + 2)$$

$$= (x + 24) + 2 = x + 26$$

$$2(x + 2) = x + 26$$

$$2n + 4 = n + 26$$

$$2n - n = 26 - 4$$

$$n = 22 \text{ years old.}$$

The son's current age is 22 years old.

x →

▷ Rashid = time = 6 hours

Pages = 32

Kamran = time = 5 hours.

pages = 40.

$$\text{Rashid's rate } (R_R) = \frac{32 \text{ Pages}}{6 \text{ hours}} = \frac{16}{3} \text{ Page/hr}$$

$$\text{Kamran rate } (K_K) = \frac{40 \text{ Pages}}{5 \text{ hours}} = 8 \text{ hours}$$

$$R_{\text{combined}} = \frac{16}{3} + 8 = \frac{40}{3} \text{ Page/hour.}$$

$$\text{Total time} = \frac{\text{Total Pages}}{\text{combined rate}} = \frac{110}{40/3}$$

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

$$= 8.25 \text{ hours.}$$

$$= 8 \text{ hours and 15 minutes}$$

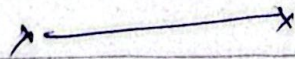
x →

Question B

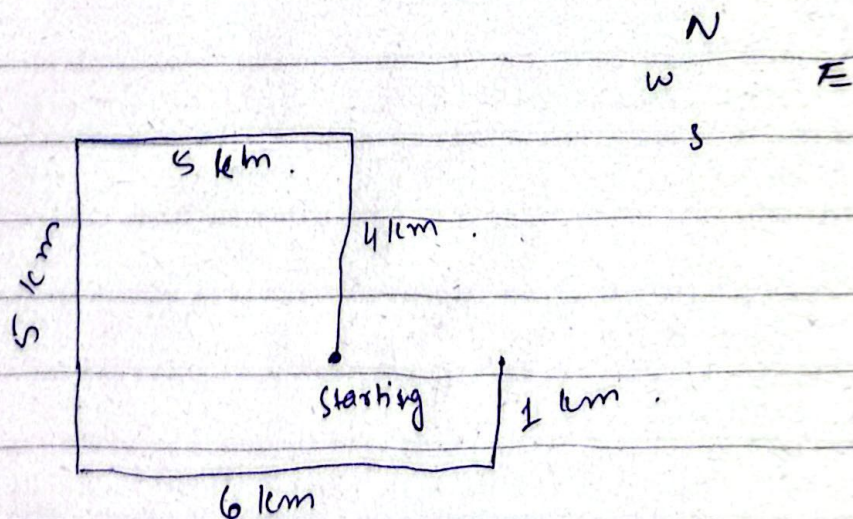
A = Five houses in a row
A to E

D B A E C

A house is in the middle, as
E and C are on its right
while B and D are on its
left.



B



i- 1 km away from the starting point.

ii - North direction while finishing, before that in the east direction.

iii - After the second turn, direction will be of south while running -

iv - From finishing in the west direction for 1 km to reach the starting point.

- C -
- a - SHIRT
 - B - COAT
 - C - BLOUSE
 - D - SKIRT
 - E - SWEATER

Odd one is the SHIRT, as all other items are for upper body -

D - 22 triangles -