

Pair of linear equation in two variable

Mathematics

Lecture - 07

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ODICS to be covered

Word Problems (Part - 3)

Miscellaneous





[axidnosqes

Pw

Fixed

choope for the distance.

(20) lum.

(Solum)

10+50(15)=(760)

Fixed charge = x Charge per lum = y.



The taxi charges in a city comprise of a fixed charge together with the charge for the distance covered. For a journey of 10 km the charge paid is Rs. 75 and for a journey of 15 km the charge paid is Rs. 110. What will a person have to pay for travelling a distance of 25 km?

let the Fixed charge be x Rs.

Let charge per lum= y Rs.

According to the question:

For 10km x + 10y = 75 Fox 15 lm 20 = 110 [NCERT, CBSE 2000]

of F. Charge = SRS.

Charge prolum = 2 Rs.

Foo 25 lum

$$= x + 2sy$$

= $s + 2s(7)$





A part of monthly hostel charges in a college are fixed and the remaining depend on the number of days one has taken food in the mess. When a student *A* takes food for 20 days, he has to pay Rs 1000 as hostel charges whereas a student *B*, who takes food for 26 days, pays Rs 1180 as hostel charges. Find the fixed charge and the cost of food per day.

StudentA (20doys)

x + 20/ = 1000

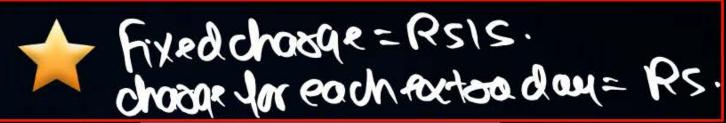
Student B (26doys)

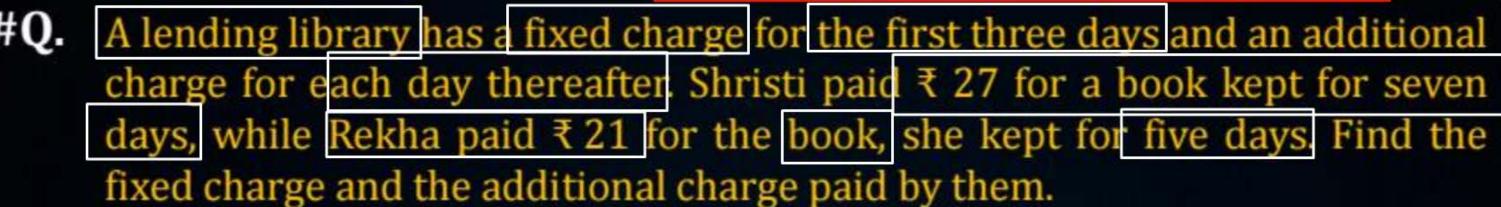
x + 5 gt = 1180

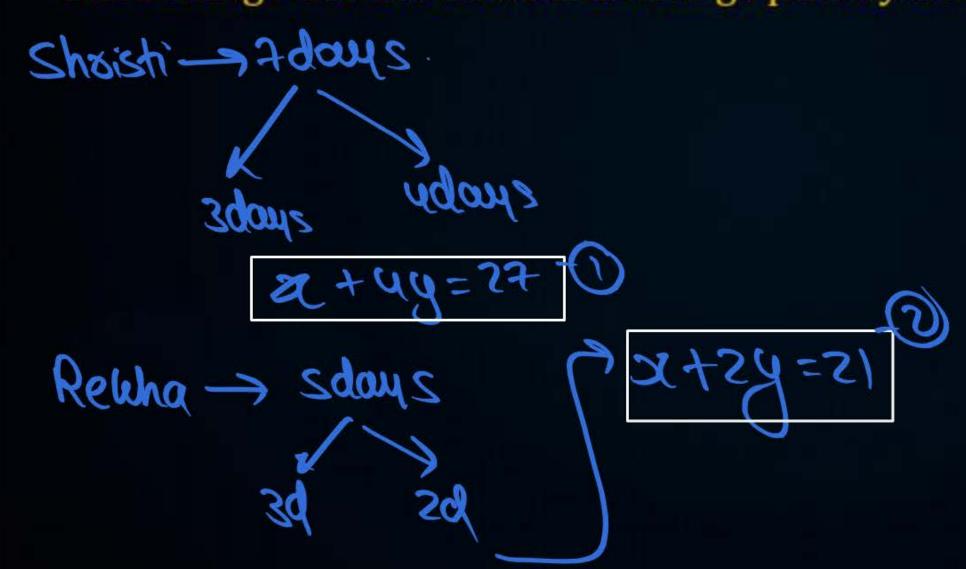
[NCERT, CBSE 2000]

Fixed charge = xRs.

Charge of food perday







[Board Term-I, 2015].
Fix-ed charge = x Rs.
Charge perday after
3days = 4 Rs.

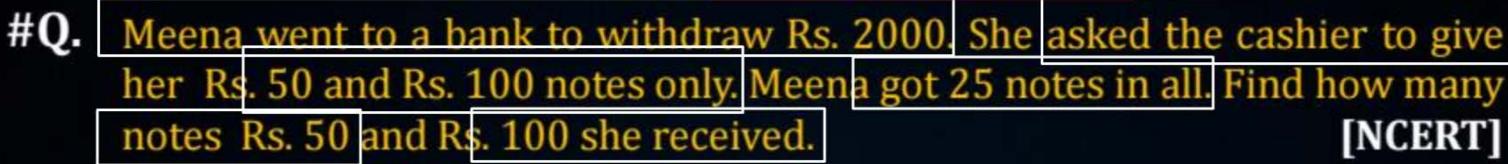
SORS -> 2 onates Total many = 9



SORS $\rightarrow 3'n' = SORS$ SORS $\rightarrow 2'n' = SOX2)RS$ SORS $\rightarrow 2'n' = (SOX2)RS$ SORS $\rightarrow 2'n' = (SOX2)RS$.



RSSO=10notes

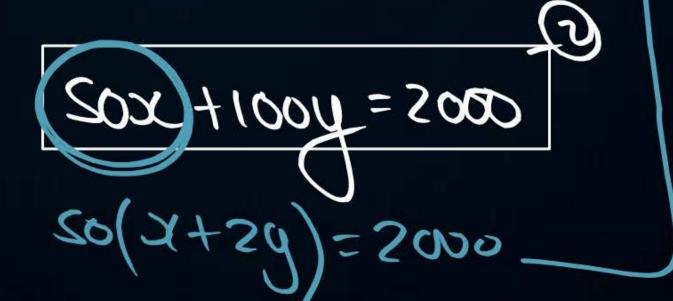


let no-Anoter of RSSD=X.

When of noter of RSIDD=Y.

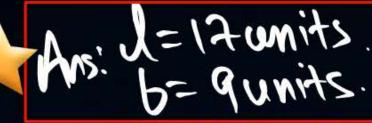
Total nota = 25

x+4=25



$$3450 = 3000$$





#Q. The area of a rectangle gets reduced by 9 square units if its length is reduced by 5 units and the breadth is increased by 3 units. If we increase the length by 3 units and breadth by 2 units, the area is increased by 67 square units. Find the length and breadth of the rectangle. **[NCERT]**



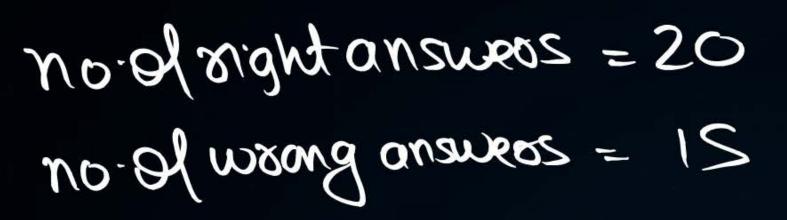
$$A-9=(\alpha-s)(y+3)$$



Ans: 1=15cm, b=10cm.

#Q. In a painting competition of a school a child made Indian national flag whose perimeter was 50 cm. Its area will be decreased by 6 square cm, if length is decreased by 3 cm and breadth is increased by 2 cm then find the dimension of flag.

[Board Term - I, 2015]





no.01 woong answers = x no.01 woong answers = y negative mastring = 2.

Positive 11 = 4.



#Q. Yash scored 40 marks in a test, getting 3 marks for each right answer and losing 1 mark for each wrong answer. Had 4 marks been awarded for each correct answer and 2 marks been deducted for each incorrect answer, then Yash would have scored 50 marks. How many questions were there in the

Let:

test?

[NCERT]

Coser

0

Ams: 20 Questions.

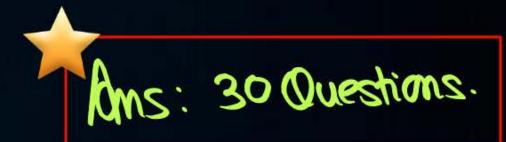
no. 2 = 289 wend their 10.00

Extra = suchand botton

Raghav scored 70 marks in a test, getting 4 marks for each right answer and losing 1 mark for each wrong answer. Had 5 marks been awarded for each correct answer and 2 marks been deducted for each wrong answer, then Raghav would have scored 80 marks. How many questions were there in the test?

[Board Term - I, 2015]







Thorabulgay

Na kisi se pyaar, na kisi se fight



8 baje dinner, 10:30 baje goodnight



Homework

NKERT Dusi Bannjargi.



Question Bank

Page 116 -> Case Bosed (III)

Page 115 -> Shoot answer (7,8,9)

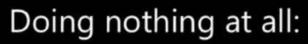
Module:

Page 100 -> cax Based (t)

 $II \qquad II \qquad (II)$

Page 98 -> (8,9,14)





$$(1.00)^{365} = 1.00$$

Vs

Making small consistent efforts:

$$(1.01)^{365} = 37.7$$

@visualhustles



