TIME AND DISTANCE

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Trains

A 300m long train sunning at a speed of 72 kmph.

In what time, 9+ will cross a person stanting.

D = 300m

S - Atkmph x 5 = 20m/s

T- D = 300 - 15 secs
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Trains

Trains

A 150m long train synning at a speed of 54 kmph.

In what time, 9t will cross a platform of length 600 m.

D = 150mt 600m = 750m

S = 54 kmph x 5/18 - 15 mps

T - 750 = 50 Secs

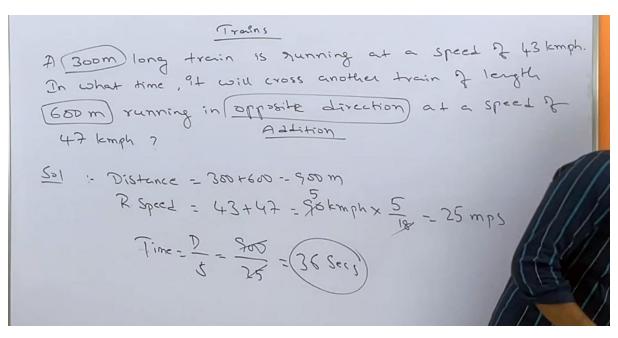
Trains

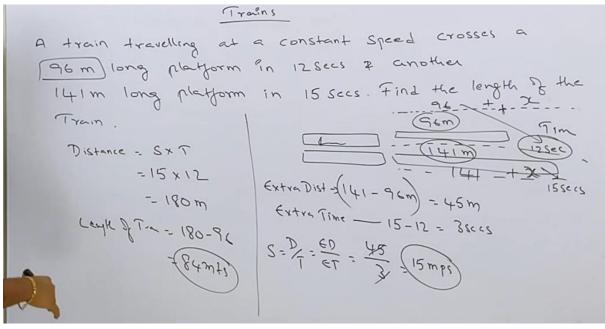
A train of length 350m crosses a platform of length 420 m on 77 secs. What is the Speed of the train on kmph.

Distance - 350+420 - 770 m

Time = 77 secs

Speed - D - 770 - 18mps x 18 = 36kmph





Trains

A train trevelling at a constant speed crosses a

[120 m] long platform in (15 sees) & another

[164 m] long platform in (19 sees). Find the length of the

Train.

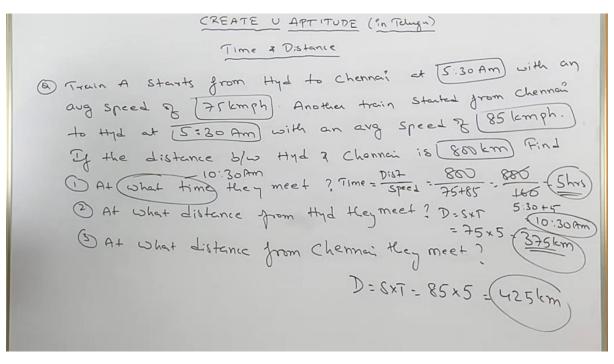
Extra Dist = 164-120 - 44 m

Extra Dist = 19-15 = 4 sees

Speed = 17 = 44/4 - 11mls

- 165-120

- 45 m



Time & Distance

The distance blue A & B is 440 km 'P' starts from 'A at a speed

of 30 kmph at 4 Am towards A.

of 40 kmph at 7 Am towards A.

Of Find at what time they meet? 7 Am + 5 hrs - 12:00 pm

O Find at what distance from 'A' they meet? 440 km - 200 km - 240 km

O At what distance from 'B' they meet? 40 kmphx 5 - 1200 km

O At what distance from 'B' they meet? 40 kmphx 5 - 1200 km

A 30x3 O km (440 km)

O A 30kmph

O A 3

Time & Distance

Rajadhan? Express started from Delhe to Mumbai at 14:30, travelling at a Speed of 60 kmph. Durranto Express started from Delhe to Humber at 16:30, travelling at a Speed of 80 kmph. How far away from Delhi do they Meet?

Time?

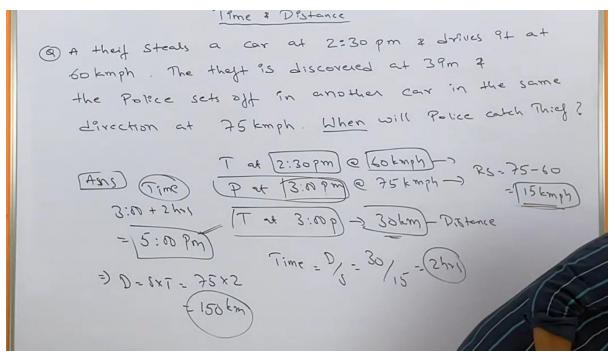
16:30+6his

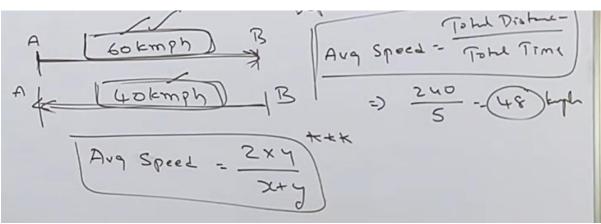
D.E -> 16:30 et (80 km/h)

2.5 - 80-60 f 20 km/h)

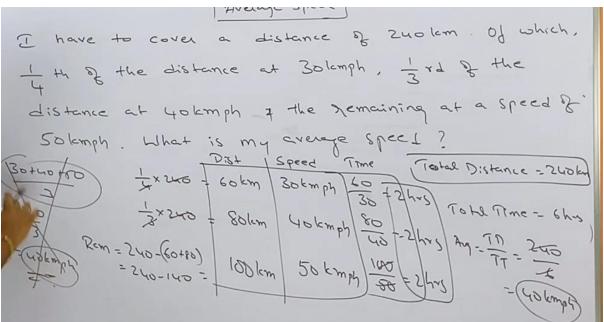
Distance from Delli Time - D - 120 - (6 his)

=) (8xT - 80x(-)(80km) 5 - 28 - (6 his)





->Only two sppeds given



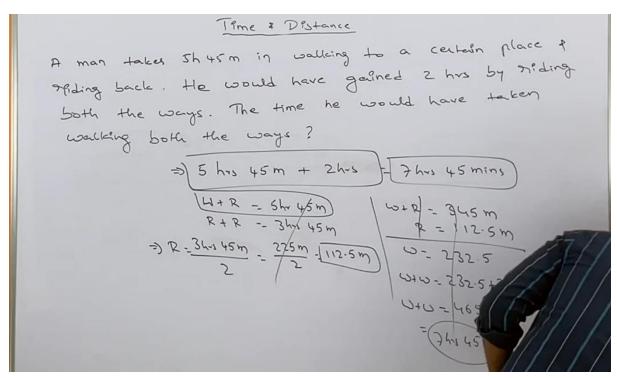
The avg speed of a Train Including Stoppages is 25 lemph.

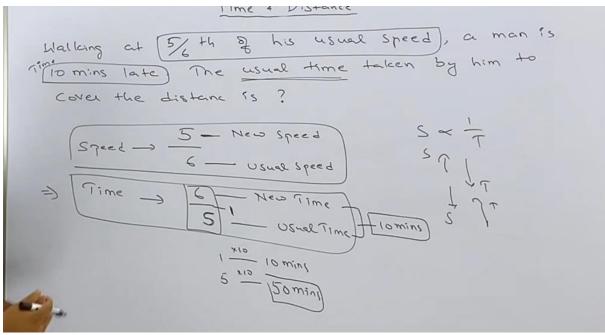
Excluding Stoppages, it is 40 lemph. How many

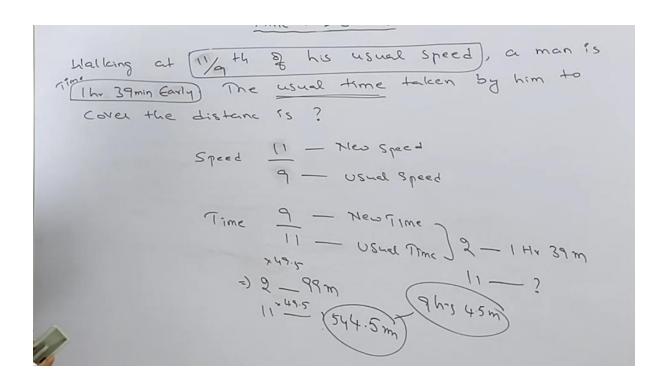
minutes per hour did the train Stop?

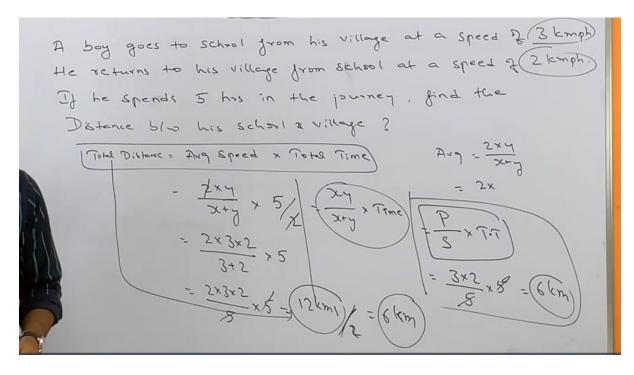
To:f

Exclusion of the train stop?





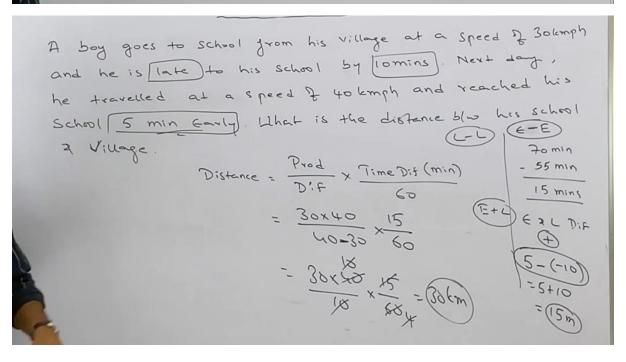


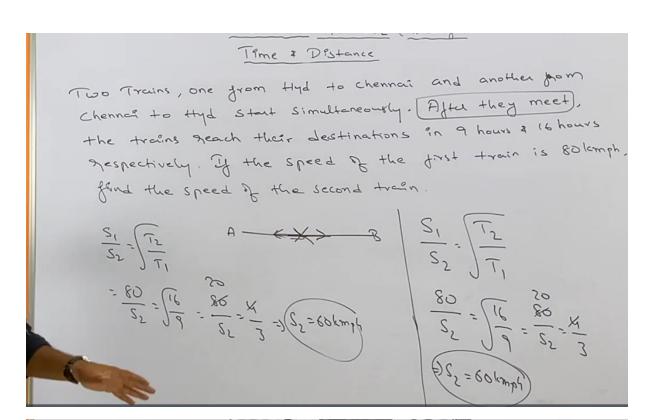


A boy goes to school from his village at a speed of 3 kmph He returns to his village from school at a speed of 2 kmph.

If he spends 30min in the journey, find the Distance 510 his school & village?

\[\frac{P}{S} \times \frac{7.7(mig)}{60} \frac{3 \times \chi}{5} \times \frac{30}{50} \times \frac{7}{50} \times \frac{7}{50} \times \frac{3}{50} \times \frac{3}{50}



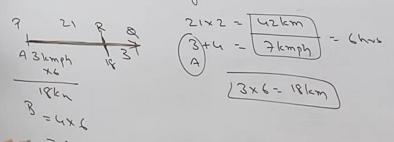


Time & Distance

Two persons A & B. walk from P to Q, which are at a distance of 21 km, at 3 kmph & It kmph nespectively.

B neaches Q & neturns Pmmediately and meets A at R.

Find the distance from P to R.



Sound Travels 330 mts per Second. If the Sound & a thunder cloud cloud follows the glash after 10 Seconds. The thunder cloud is at a distance of how many lams?

Distance = Speed x Time
= 330m x 10 sec
= 3300m
= 3.3 km

