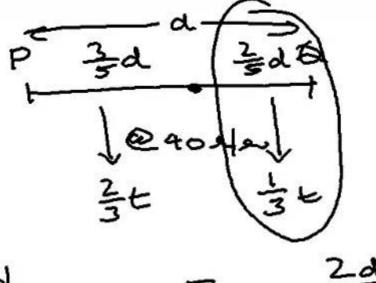
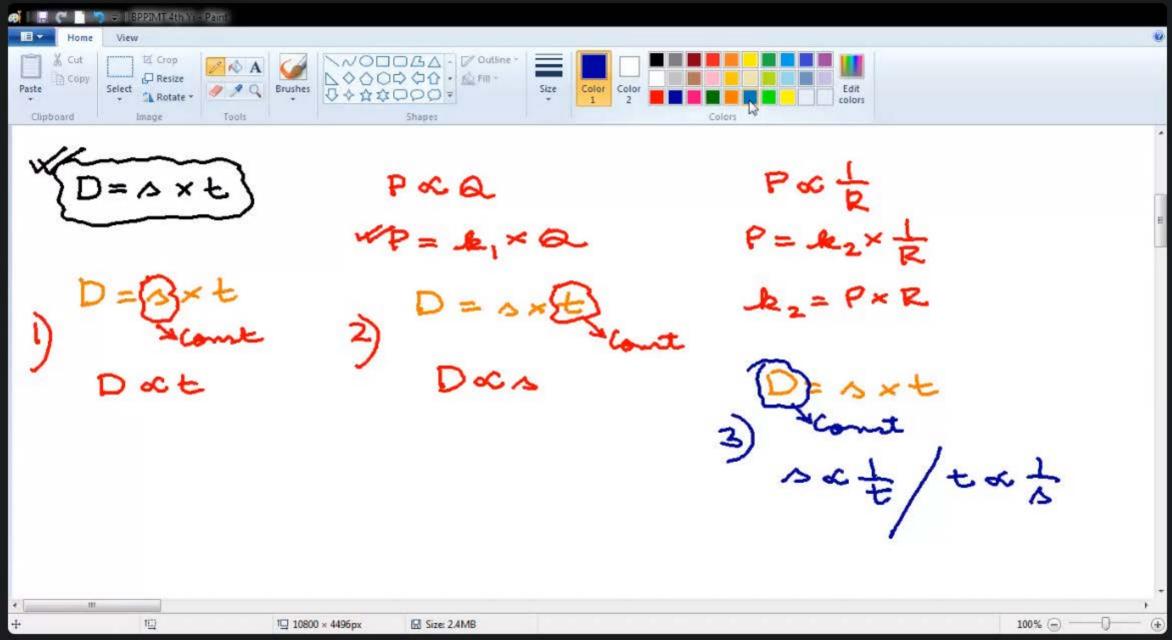
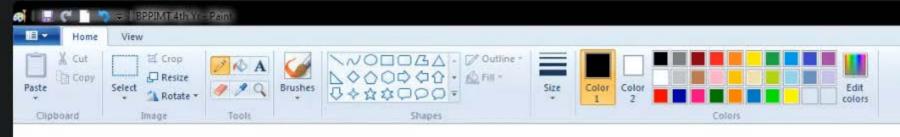


- A person reaches his office 1 hour late travelling at 40 kmph. If he travels at 50 kmph, he is late by 40 minutes. What is the distance he has to travel to reach his office?
  - (A)  $56\frac{1}{3}$  km (B)  $66\frac{2}{3}$  km (C) 59 km (D) 63 km
- While covering a certain distance if a person increases his speed from 50 kmph to 60 kmph he saves 5 minutes. What is the distance covered by him? (A) 30 km (B) 25 km (C) 35 km (D) 20 km

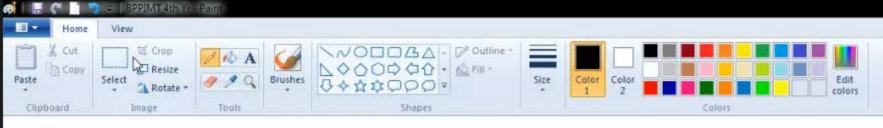
· A person reaches his office 1 hour late travelling at 40 kmph. If he travels at 50 kmph, he is late by 40 minutes. What is the distance he has to travel to reach his office? (A)  $56\frac{1}{2}$  km (B)  $66\frac{2}{2}$  km (C) 59 km (D) 63 km · While covering a certain distance if a person increases his speed from 50 kmph to 60 kmph he saves 5 minutes. What is the distance covered by him? (A) 30 km (B) 25 km (C) 35 km (D) 20 km · A person covered the distance from P to Q at a speed of 40 kmph. He covered three-fifth of the distance in two-third of the total time. At what speed should he travel to complete the remaining part of the journey in the remaining time? (A) 36 kmph (B) 44 kmph (C) 40 kmph (D) 48 kmph · A person travelled from A to B at 40 kmph and returned back at 60 kmph. What is his average speed for the entire journey? (A) 48 kmph (B) 54 kmph (C) 42 kmph (D) 50 kmph





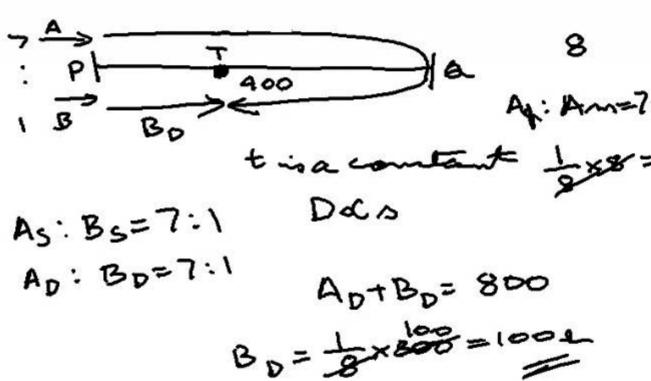


Every day I drive from home to office following a fixed route at a constant speed. One day I drove 25% faster and hence reached office 20 mins earlier. Find the normal time taken to cover the distance?



Every day I drive from home to office following a fixed route at a constant speed. One day I drove 25% faster and hence reached office 20 mins earlier. Find the normal time taken to cover the distance?

2 persons A and B start simultaneously from a place P to travel to Q 400 km away and return back. If the ratio of their speeds are 7: 1, find the distance of thir meeting point from P?



Ti: ↑☐ 10800 × 4496px

Size: 2.4MB

100%

1) 
$$A_{S}=608/80$$
  $B_{S}=408/80$   $A.S. = \frac{d+d}{do} = \frac{2a}{40}$ 

AD = BD = d = 488/80

 $A_{E}=\frac{d}{40}$   $B_{E}=\frac{d}{40}$ 

1) 
$$A_s=608/a_0$$
  $B_s=40a/a_0$ 

AD it is a count

$$A_D=B_D=d$$

$$A_b=\frac{d}{do}$$

A.S. = 
$$\frac{d+d}{d} = \frac{2d}{d}$$

$$= 488 | 24 | 3 | 20 |$$

$$= \frac{3}{48} | 24 | 3 | 20 |$$

$$= \frac{3}{48} | 24 | 3 | 20 |$$

$$= \frac{3}{48} | 24 | 24 |$$

$$= \frac{3}{48} |$$

$$= \frac{3}{$$

As=60A/A Bs=40A/A AS = 
$$\frac{d+d}{do}$$

As=60A/A Bs=40A/A =  $\frac{d+d}{do}$ 

As= $\frac{d}{do}$ 

Bs= $\frac{d}{do}$ 

As= $\frac{d}{do}$ 

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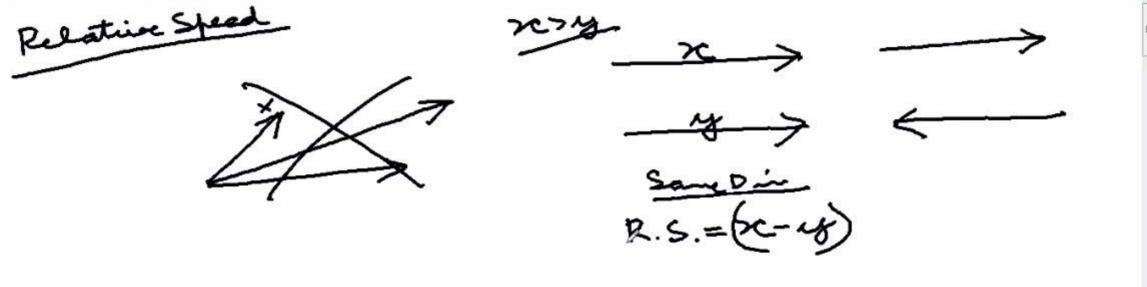
Bs= $\frac{d}{do}$ 

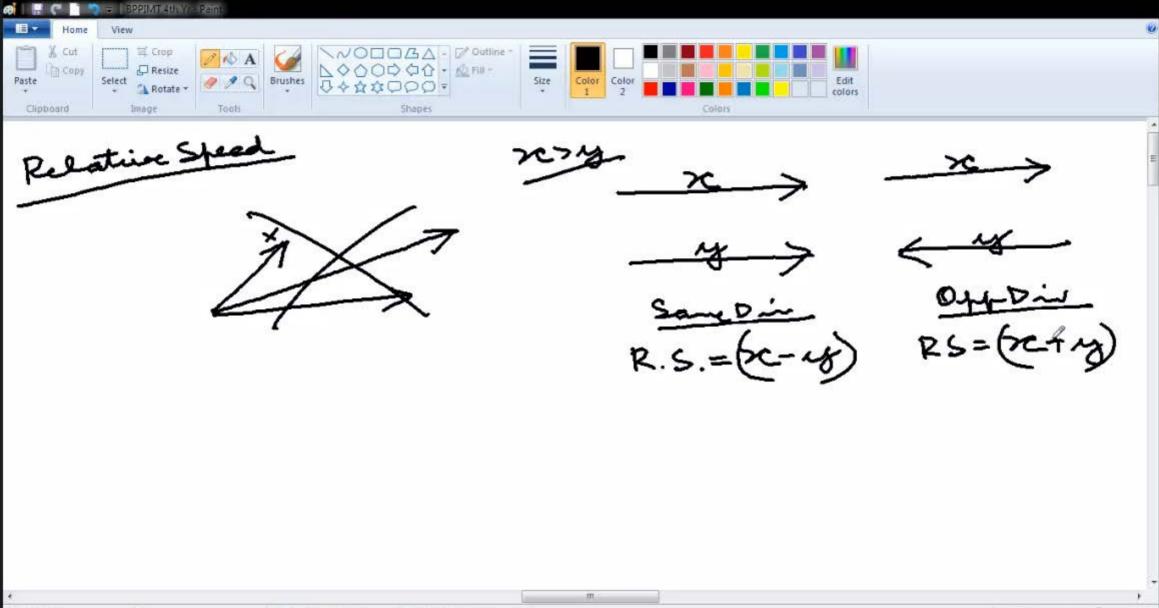
As= $\frac{d}{do}$ 

Bs= $\frac{d}{$ 

As=60a/a Bs = 400/a =504R AL = Bt = t AD = 60+ B = 40 t

A.S. = A. Mean of midrie





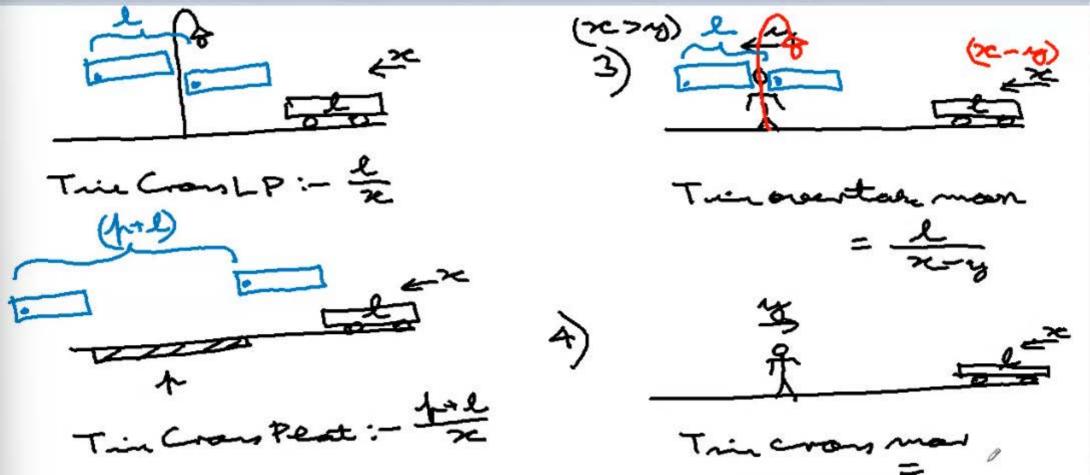
+ 6112, 256px

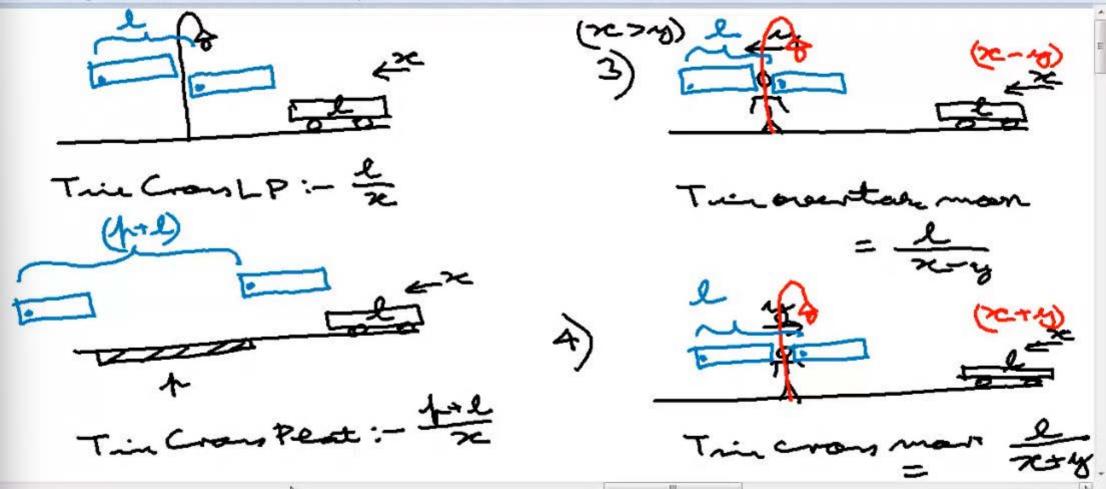
10

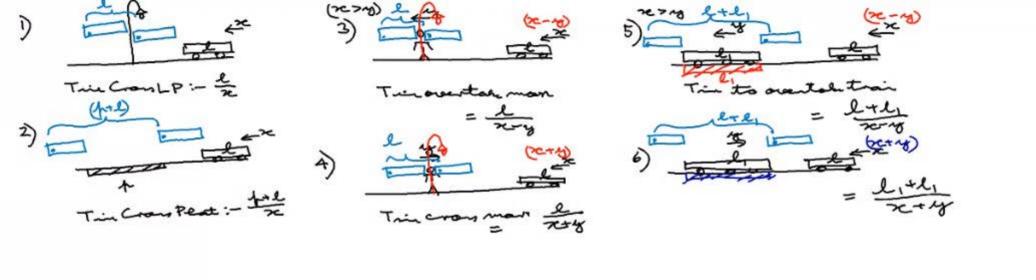
¹☐ 10800 × 4496px

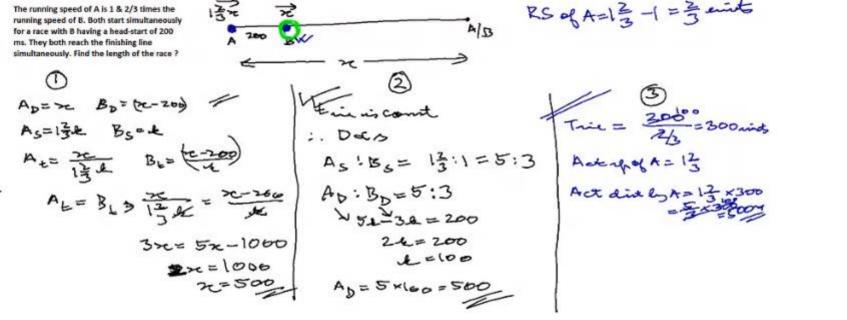
☐ Size: 2.4MB

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(C) 40 kmph (D) 48 kmph

A person travelled from A to B at 40 kmph and returned back at 60 kmph. What is his average speed for the entire journey?

(A) 48 kmph (B) 54 kmph

(C) 42 kmph (D) 50 kmph

- Three cars have the ratio of their speeds as 5 : 6 : 7. Find the ratio of the times they would take to travel a certain distance

  (A) 7 : 6 : 5

  (B) 30 : 35 : 42

  (C) 5 : 6 : 7

  (D) 42 : 35 : 30

  Bharani and Anand are 180 km apart. They start
  - simultaneously towards each other at speeds of 10 kmph and 20 kmph respectively. In how many hours will they meet?

    (A) 5 (B) 6 (C) 4 (D) 7

The ratio of the speeds of A and B is 3 7. If B takes
 20 minutes less than A to cover a certain distance.

- then what is the time taken by A to cover the distance?

  (A) 31 min (B) 22 min (C) 28 min (D) 35 min

  Travelling at three-fifth of his usual speed a man is
  - late by 20 minutes. What is his usual time to cover the same distance? (A) 25 min (B) 30 min (C) 40 min (D) 35 min
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  Travelling at a speed of 8 kmph, a student reaches school from his house 10 minutes early. If he travels at 6 kmph, he is late by 20 minutes. Find the distance between the school and the house.

(A) 11 km (B) 10 km (C) 12 km (D) 9 km

- Three cars have the ratio of their speeds as 5:6:7. Find the ratio of the times they would take to travel a certain distance
  - (A) 7:6:5 (B) 30:35:42 (C) 5:6:7
    - (D) 42:35:30
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- simultaneously towards each other at speeds of 10 kmph and 20 kmph respectively. In how many hours will they meet?
- (A) 5 (B) 6 (C) 4 (D) 7
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42:35:30

- Three cars have the ratio of their speeds as 5:6:7. Find the ratio of the times they would take to travel a certain distance
- (A) 7:6:5 (B) 30:35:42
- (C) 5:6:7
- (D) 42:35:30
- . Bharani and Anand are 180 km apart. They start simultaneously towards each other at speeds of 10 kmph and 20 kmph respectively. In how many hours will they meet?
- (A) 5 (B) 6
- (C) 4 (D) 7
- The ratio of the speeds of A and B is 3: 7. If B takes 20 minutes less than A to cover a certain distance. then what is the time taken by A to cover the distance? (A) 31 min (B) 22 min (C) 28 min (D) 35 min
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As . Bc = 3.7 A . B = 7:3 7-3=4~=20ins 7 m= 35 min

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Sh= = of oming Sh Dix cont Tim = = = of origini

= 20min = 20min = 30min

- Kiran travels from A to B by car and returns from B to A by cycle in 7 hours. If he travels both ways by car he saves 3 hours. What is the time taken to cover both ways by cycle?
  - (A) 8 hours (B) 10 hours (C) 14 hours (D) 12 hours
- A train, 225 m long, crossed a 175 m long platform in 10 seconds. Find the speed of the train.
   (A) 35 m/s
   (B) 40 m/s
   (C) 38 m/s
   (D) 33 m/s
- A train, 245 m long, running at 60 kmph crosses another train moving in the same direction at 38 kmph in 90 seconds. What is the length of the second train?
- (A) 305 m
   (B) 335 m
   (C) 315 m
   (D) 325 m
   A train, 600 m long, is running at 45 kmph. In what time will it cross a person moving at 9 kmph in the
  - opposite direction?
    (A) 36 sec (B) 40 sec (C) 34 sec (D) 38 sec
- A train running at a speed of 36 kmph crosses an electric pole in 12 seconds. In how much time will it cross a platform 350 m long?
   (A) 44 sec (B) 49 sec (C) 42 sec (D) 47 sec

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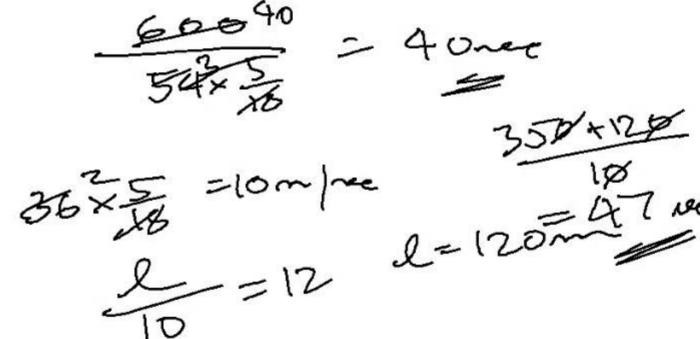
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 (D) 47 sec  $lem|a_{5} = \frac{5}{18}m/m$   $\frac{225+125}{10} = \frac{400}{10} = 400$ 



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†□ 10800 × 4496px

☐ Size: 2.4MB

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