P: what's the relative velocity of the Walmart truck with respect of the fed Ex truck?

(): Walmast = 62 ruph, 50 ft.

Fedex = 52 ruph, 47 ft.

Pass, = 34 ft Vw/= by/- fg

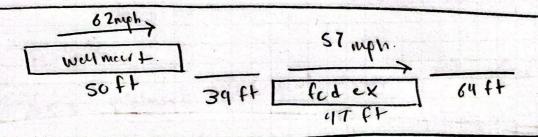
Pass_ = 64 ft.

V = A15.

Solution: solve for relative velocity
by taking walmant fedx = walmout + fedex

62 mph - 52 mp1.

Visualize



Velocity of W/ground - f/ground.

P: What is the pass length or relative displacement I during the pass of the Walmert truck with respect to the ground?

Pass As = Walnut - W-F+F

Walmert = 62 mph, soft. Fedx = Szuph, 47 ft. Pass = 39ft Pass, = 64Ft

1 m/F = m/d - m/t V = AS

Solution.

To find change in displacement, suchact welmosts length by the pass lengths and Fedex length D'offerences in distance A.

Caedate.

As = Walnut + (Walnut - Fedex) + Fedex + (Fedex-Walnum!)

50 + 39. + 47 + 64 = 145 Ft.

Isaac Abella. 2-6-3 10/2/22 P: How long does it take

the Walmart truck

The Walmart truck

The pass the Fedex truck?

Pass = 34 Ft Russ = 60 Ft Solution: total displacement Contentate 200ft = 120 seconds. IV check · relative velocity of the Walmort truck in respect to the feder truck? VW/F = 62mph + 52mph = 10 = 14.7 ft/s displaement . 200 ft.

P: How far does the Walmart track travel while passing the Fedex truck?

O: total time to use = 13.6 seconds. displacement = 200ft.

Solution set total distance = to Walnut's velocity with respect to ground multiplied by our total time in C

Cakulate:

62 right - 1 hr 5286 At

13.6 second . 90.9 At/8.

= 90.9

= 1236.24 ft.