

[10-02-04-T6]

Speed

Imagine a two lane highway with one lane East bound and the other lane West bound.

Car 1 is headed East at a constant speed of 60 mph. Car 2 headed West at a constant speed of 90 mph. Points A and B on this highway are 600 miles apart. At the instant Car 1 passes point A, Car 2 passes point B.

[1] When are the cars 300 miles apart?

[2] When do the cars pass each other?

[3] When are the cars 1200 miles apart?

[4] Do you want to improve your answer to question [1]? If yes, then do so.