



MATH TUTORIAL
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Click on Math Tutorial for more help with adding measures of time.



High clouds show the location of the jet stream in this satellite image.

Navigate the Jet Stream

When an airplane is flying in the same direction as a jet stream, the airplane gets a boost in its speed. Pilots can save an hour or more if they fly with the jet stream. On the other hand, flying against the jet stream can slow an airplane down.

Example

To determine the total flight time between San Francisco and Chicago, with a stop in Denver, you need to add the hours and minutes separately. Set up the problem like this:

San Francisco to Denver: 2 h 10 min
 Denver to Chicago: 1 h 45 min
 Total flight time: 3 h 55 min

ANSWER The total flight time is 3 hours 55 minutes.

Flight Times



Use the map to answer the following questions.

1. What is the total flight time for an airliner flying from San Francisco to Miami through Chicago?
2. What is the total flight time for an airliner flying from San Francisco to Miami through Dallas?
3. How much time will the fastest possible trip from Miami to San Francisco take?
4. Compare the flight time from Chicago to San Francisco with the flight time from San Francisco to Chicago.

CHALLENGE What is the total flight time from Miami to San Francisco through Chicago? Convert minutes to hours if necessary.