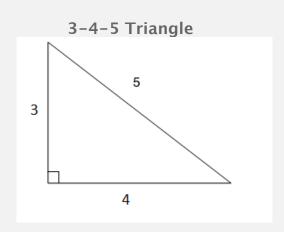
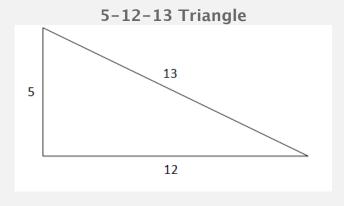


Side based Triangles

About These Problems

There are two main side based triangles with right angles that are very common in standardized testing. One of these triangles is called a 3-4-5 triangle. The other is a 5-12-13 triangle.





Question. United Airlines Flight 451 has departed San Francisco airport to the north and is about 50 miles north of the airport. A few minutes earlier, American Airlines Flight 3451 departed for Salt Lake City and is 120 miles east of the airport. How far apart are the aircraft?

- 1. 100 miles
- 2. 110 miles
- 3. 120 miles
- 4. 130 miles
- 5. 140 miles

Answer. 4: The two aircraft and the airport form a 5-12-13 triangle. The distance between them is 10*13 which is 130.