

OXBOW AT HOME

Wind Speed Math Problems: Will You Keep Up or Be Blown Away?

Test your speed at solving these math problems. Use a calculator if you need!

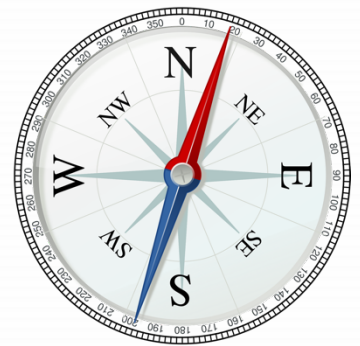
Question 1:

If the wind is blowing at 20 miles per hour in Columbus, Georgia and Phenix City, Alabama nearby is hit with wind gusts of up to 55 miles per hour, how much faster is the wind in Phenix City?

55 mph - 20 mph = 35 miles per hour faster

Question 2:

Wind travels in different directions, including north, south, east, west, and even southeast, northeast, southwest, and northwest. Look at a map and use the compass pictured here. What direction would the wind be blowing if it recorded in Columbus, Georgia and was blowing toward Phenix City, Alabama? What about if that wind was recorded in Columbus, Georgia and was blowing toward Atlanta, Georgia?



Starting Location to Ending Location	Wind Direction
Columbus, Georgia to Phenix City, Alabama	west
Columbus, Georgia to Atlanta, Georgia	north

Question 4:

Wind speed is measured by miles per hour, or mph. Car speed is also measured by miles per hour. If a gust of wind measuring 30 mph is recorded in Atlanta, Georgia at 12:00 P.M. heading south toward Columbus, Georgia, about what time will it arrive in Columbus?

For this math problem, Columbus → Atlanta = 90 miles

If it travels 30 miles per hours, and Atlanta is 3 times that distance, it would take 3 hours for the wind to arrive in Columbus. 3 hours after 12:00 P.M. is 3:00 P.M. The wind would arrive 3 hours later at 3:00 P.M.

Question 5:

What if that wind gust traveling from Atlanta was only moving at 10 miles per hour? What about if a storm was moving in and the wind began gusting 45 miles per hour?

90 miles / 10 miles per hour = 9 hours (the would arrive at 9:00 P.M.)

90 miles / 45 miles per hour = 2 hours (the wind would arrive at 2:00 P.M.)