If 70% of the students in a school are boys and the number of girls is 504, what is the number of boys in the school?

A. 1176
B. 504
C. 876
D. 1276

Show Answer…
Correct Answer: A. 1176:

Explanation: The total number of students in the school can be found by solving the equation 504 / (1 – 0.7) = 1680. The number of boys in the school can then be found by multiplying the total number of students by 0.7, which is 1176 students.

The number of boys can be calculated as follows:

Let’s assume that the total number of students in the school is X.
So, 70% of the total students are boys, which is 0.7X.
And, the number of girls is 504.
So, the total number of students can be found as X = 504 + 0.7X
Solving this equation, we get X = 504 / (1 – 0.7) = 504 / 0.3 = 1680
And, the number of boys can be found as 0.7X = 0.7 * 1680 = 1176 students.