

**Answer on Question #46732 – Math – Algebra**

There are 45 students riding another bus to the football game. There are seven more girls than boys. How many boys are on the bus?

**Solution:**

Let  $x$  be the number of boys on the bus.

There are seven more girls than boys, thus  
 $y = x + 7$  is the number of girls on the bus .

There are 45 students riding a bus:

$$\begin{aligned}x + y &= 45 \\x + (x + 7) &= 45 \\2x &= 45 - 7 \\2x &= 38 \\x &= 19\end{aligned}$$

**Answer:** there are 19 boys on the bus.