Stratified Sampling

A stratified sample takes a sample in proportion to the number in a category

A school wants a stratified sample of 50 students. How many from year 7 do the need?

Year	Students
7	131
8	84
9	93
10	102
11	95

505 students in total

$\frac{131}{505}$ are in year 7

$\frac{131}{505} \times 50 = 12.97$

we multiply by the sample size

Round to the nearest whole number because you cannot have half a student! The school needs 13 students.