

**Answer on Question#41777, Math, Statistics and Probability** Question: a teacher is going to choose a pupil at random from each of these classes. In which class is she more likely to choose a boy? in class 9a there are 13 boys and 15 girls however in class 9b there are 12 boys and 14 girls. you must show your working.

Solution

In class 9a the probability to choose a boy is

$$\frac{13}{13 + 15} = \frac{13}{28} \approx 0.464$$

In class 9b the probability to choose a boy is

$$\frac{12}{12 + 14} = \frac{12}{26} \approx 0.462$$

So we see,  $0.464 > 0.462$  and probability to choose a boy is higher in class 9a.