

### **Answer on Question #45921 – Math – Algebra**

When Mr. Ramos died,  $\frac{1}{3}$  of his estate was given to charity and  $\frac{1}{2}$  of the remainder to each of his two sons. If each son received P150,000, what was the value of his state

**Solution.**

**Let  $x$  be the value of his state.**

**So,  $\frac{1}{3}x$  was given to charity,  $\left(x - \frac{1}{3}x\right) * \frac{1}{2} = \frac{2}{3}x * \frac{1}{2} = \frac{1}{3}x$  was given to each of his two sons.**

**If  $\frac{1}{3}x = 150000$ , then  $x = 150000 * 3 = 450000$ .**

**Thus, the value of his state was P450,000 .**