Answer on Question#39968 – Math – Algebra

Six more than one fourth of a number is two fifth of the number. Find the number.

Solution.

Let x be the required number, so

$$\frac{1}{4}x + 6 = \frac{2}{5}x \;\;\rightarrow\;\; \left(\frac{2}{5} - \frac{1}{4}\right)x = 6 \;\;\rightarrow\;\; \frac{3}{20}x = 6 \;\;\rightarrow\;\; x = \frac{120}{3} = 40$$

Answer: required number $x = 40$.