## Answer on Question \# 41598- Math - Geometry

A tape of 56 cm is devided into 2 segments whose length are at a rate $3 / 5$, which is the length of the segments?

## Solution:

Let $k$ be proportional coefficient, then the length of one segment is $3 k$ and the length of the other one is 5 k . As the length of the whole tape is 56 cm , so we obtain

$$
\begin{gathered}
3 k+5 k=56 \\
8 k=56 \\
k=7
\end{gathered}
$$

Hence, the length of the shorter segment is $3 * 7=21 \mathrm{~cm}$, and the length of the longer segment is 5*7=35 cm.

Answer. One segment is 21 cm , and the other one is 35 cm .

