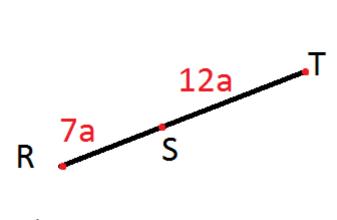
Answer on Question #45258 – Math - Geometry **Problem:**

Find the value of the variable and ST if S is between R and T RS =7a, ST = 12a, RT = 76

Solution:

Let's look at Figure



As we know

RT=RS+ST=7a+12a=19a

And RT=76

That's why RT=19a=76 $\Rightarrow a = 76/19=4$

ST=12a=12*4=48

Answer:

a=4

ST=48

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