

Answer on Question #43641 – Math – Algebra

A and B together can do a piece of work in 12 days. While B alone can do it in 30 days, in how many days can A alone finish the work.

Solution:

- 1) Calculate part of work of B per one day
 $1/30$
- 2) Calculate part of work of A per one day
 $A + 1/30 = 1/12$
 $A = 1/20$

A makes $1/20$ of whole work per day, so he needs to work 20 days to complete a work.

Answer. 20 days