## Answer on Question \#40705 - Math - Algebra

A man is 24 years older than his son. 12 years ago, he was five times as old as his son. What are the present ages of both?

## Solution:

Let $X$ years be a man at present time.

Let (X-24) years be his son at present time.

Than, from the problem above:
$X-12=5((X-24)-12)$,
$X-12=5(X-36), X-12=5 X-180$,
$-4 \mathrm{X}=-168$, whence
$X=42$ (years).

42-24=18 (years).

Answer: 42 and 18.

