

01/04

Lokesh

1. 1d work of A $\Rightarrow 1/15$

1d work of B $\Rightarrow 1/20$

together for 4 days

1 day together $\Rightarrow \frac{1}{15} + \frac{1}{20}$

$$\frac{4 + 3}{60} \Rightarrow \boxed{\frac{7}{60}}$$

4 day $\Rightarrow \frac{4 \times 7}{60} \Rightarrow \boxed{\frac{28}{60}} \Rightarrow \boxed{\frac{7}{15}}$

Q. 20 women can do in $\rightarrow 16$ days

16 men " " $\Rightarrow 15$ days

If work same

$P_1 \times \text{work} \times \text{Days} \times h_1 = P_2 \times D_2 \times h_2$

$$\frac{20}{4} \times 16 = \frac{16}{3} \times 15$$

$\boxed{4:3} \Rightarrow \text{Ratio of work.}$