

Solutions by Dev Anoop

no of men	3	1	6	no of women	5
Time taken (in days)	12	$12 \times 3$	$\frac{12 \times 3}{6}$		12
Unit time work	$\frac{1}{12}$	$\frac{1}{36}$	$\frac{1}{6}$		$\frac{1}{12}$

together 1 day work of 6 men and 5 women

$$= \frac{1}{6} + \frac{1}{12}$$

$$= \frac{2+1}{12}$$

$$= \frac{1}{4}$$

Time taken by them to finish work  
= 4 days