(C11	6	.6 -	Hos	ses	fillir	ng P	ool	Not	es								
٦	Two h	oses t	ogethe	er fill a	pool i	in 2 ho	urs. lf	only h	iose A i	s used	, the p	ool fil	ls in 3	hours.	How I	ong		
, 	would	it tak	e to fil	l the p	ool if	only ho	ose B v	were u	sed?									
													<u> </u>					
			Amou	nt Tir	ne	Rate												
	Hos	e A	1 poo	3 ł	nours	$\frac{1 po}{3 hou}$	ol											
	Hos	e B	1 poo	l x l	nours	1 po	ol		_									
	Tog	athar	1	1 24	0.1150	x hou	rs											
	TOg	ether	1 þoo		iours	$\frac{1}{2}$ hou	rs								-			
	1	1 1			امام ۵	Datas				,								
	$\frac{-}{3}$ +	$\frac{1}{x} = \frac{1}{2}$	\ \		Add Tog	ether t	0		1	$v = \frac{d}{t}$			$r = \frac{a}{t}$					
	$\left(\frac{1}{3}\right)$	$\frac{1}{x} = \frac{1}{2}$) × 6x		equ tog	al the ether	rates											
	2x + 2x	6 = 3	x = 2x		0													
lt	will ta	6 = xake 6 h	ours.															