

Two roommates, Adam and Burt, saved their wages from weekend jobs to buy a television. Adam earned \$10 per hour, and Burt earned \$8 per hour. Together they worked for 34 hours and earned exactly \$310.

One way of representing this scenario is through a table:

	Earnings	=	Rate	*	Time
Adam	e	=	10	*	t
Burt	$310 - e$	=	8	*	$34 - t$

How many hours did each of them work?