

Breaking Down Watt Hours Problem

<u>Item</u>	<u>Wh Calculations</u>	<u>Wh Per Month</u>
1. TV	$250w \times 3 \text{ hours} = 750 \text{ wh per day}$ $\underline{\quad \times 30.5 \text{ days}}$ $22875 \text{ wh} \dots\dots\dots$	.22,875wh
2. Micro Wave (7 hours per week equals one hour per day)	$1500w \text{ per day} = 1500 \text{ wh per day}$ $\underline{\quad \times 30.5 \text{ days}}$ $45,750 \text{ wh} \dots\dots\dots$	45,750 wh
3. Crock Pot	$125w \times 3 \text{ hours per month} = 375 \text{ wh} \dots\dots\dots$	375 wh
4. Washer	$850w$ $\underline{\quad \times 2 \text{ hrs week}}$ $1700 \text{ wh divided by } 7 = 242.85 \text{ wh day}$ $\underline{\quad \times 30.5}$ $7407.14 \text{ wh} \dots\dots$	7407.14 wh
5. 9 light	$9 \times 8hr \times 100w = 7200 \text{ wh day}$ $\underline{\quad \times 30.5 \text{ days}}$ $219,600 \text{ wh} \dots\dots$	219,600 wh
6. Porch Light	$12 \text{ hrs @ } 75 \text{ w} = 900 \text{ wh}$ $\underline{\quad \times 30.5 \text{ days}}$ $27450 \text{ wh} \dots\dots$	27,450 wh
7. refrigerator	$24 \text{ hrs @ } 275w = 6,600 \text{ wh}$ $\underline{\quad \times 30.5 \text{ days}}$ $201,300wh \dots\dots$	201,300 wh
8. Window A/C	$8 \text{ hrs X } 550w = 4,400 \text{ wh}$ $\underline{\quad \times 30.5 \text{ days}}$ $134,200 \text{ wh} \dots\dots$	134,200 wh
9. misc	$24 \text{ hrs x } 25w = 600 \text{ wh}$ $\underline{\quad \times 30.5 \text{ days}}$ $18,300 \text{ wh} \dots\dots$	+ 18,300 wh
		677,257.14

wh per month 677,257.14 x 12 = 8,127,084wh per year  
 Find Kilowatt Hours divide by 1000 = 8127.08 kWh  
 per yr  $\underline{\quad \times .10 \text{ rate}}$   
 \$ 812.70 year