Name_____

Watt Can We Save

Directions: Calculate the cost of each appliance below. How much does it cost each month to run each appliance?

Cost per month =
Power used (kW) x Number of Appliances in House x Hours Used per Month x Cost per kWh

Item	Average Wattage*	Average kW (Wattage per 1000)	x	# in House	x	Average Hours Used per Month	x	Cost per kWh ($0.10)	=	Cost per Month	Cost per Year
Incandescent bulb - 60 W*	60	0.06	x		x		x	.10	=		
Compact fluorescent bulb - 60 W equivalent*	18	0.018	x		x		x	.10	=		
Coffee maker	900	0.9	x		x		x	.10	=		
Microwave	1000	1.0	x		x		x	.10	=		
Hair dryer	1800	1.8	x		x		x	.10	=		
Dishwasher	1300	1.3	x		x		x	.10	=		
Stove/Range (electric)	12500	12.5	x		x		x	.10	=		
Refrigerator/ Freezer	500	0.5	x		x		x	.10	=		
Clothes dryer (electric)	5000	5.0	x		x		x	.10	=		
Clothes washer	500	0.5	x		x		x	.10	=		
Computer, monitor, and printer	200	0.2	x		x		x	.10	=		
Television	80	0.08	x		x		x	.10	=		

Note: Assume the same number of incandescent bulbs and compact fluorescent bulbs in the house to compare the cost of each.

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