

Time of Use Affects the Cost of Electricity

Electricity that comes into your home from a utility company costs money. Not too long ago, power companies in California charged more for electricity during the day. That was because when people were awake, they used their heaters or air conditioners more. But solar panels have changed that.

Today, many homes and businesses have solar panels that collect energy from the sun. They use that energy to get electricity—this is called **solar energy**. Solar energy is low-cost and renewable. It's cleaner than energy that is created by oil or coal.

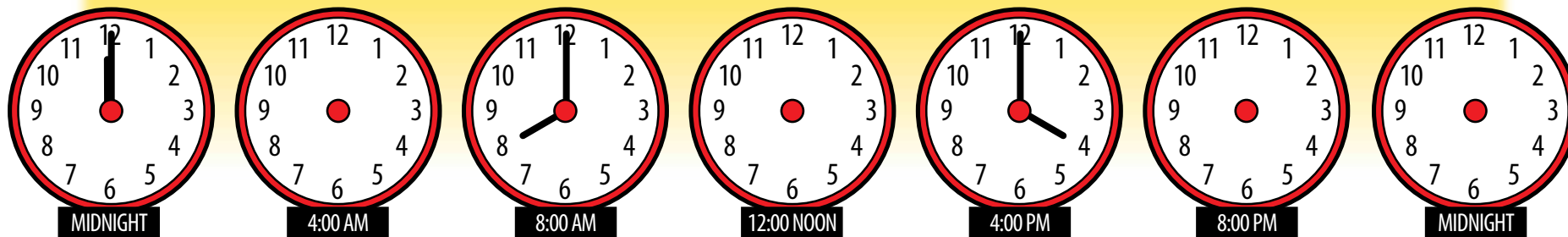


Now Clean Power companies ask people to use more electricity during the day, when solar energy is available. **When the sun starts to set, between 4:00 p.m. and 9:00 p.m., electricity is the most expensive.**

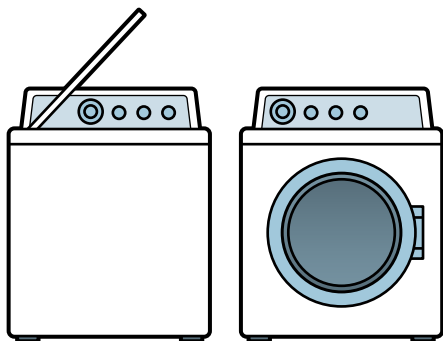
Help your family understand "Time of Use" by telling them they can save money by running washing machines, vacuums and other appliances during the day or after 9:00 p.m.



CLOCK WATCH: The time on each of these clocks is four hours apart. But wait! Some of these clocks are missing their hands! Draw in the missing hands. Then, circle the clocks that show the times it is cheaper to use electricity. Put an X over the clocks that show the most expensive time to use electricity each day.



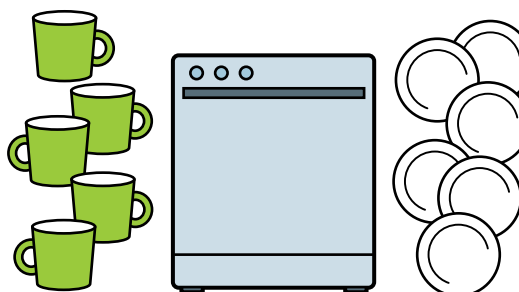
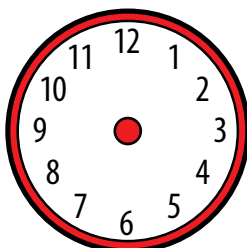
I'm helping with chores around the house today. I need to finish using appliances no later than 4:00 p.m. I need your help to manage my time!



It takes **50 minutes** for our washing machine to wash a load of laundry.

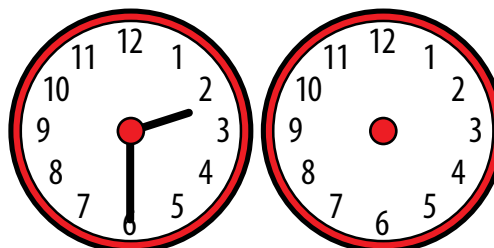
It takes **40 minutes** for our dryer to completely dry a load of laundry.

On this clock, draw the hands to show the latest time I can start this load of laundry to be finished no later than 4:00 p.m.

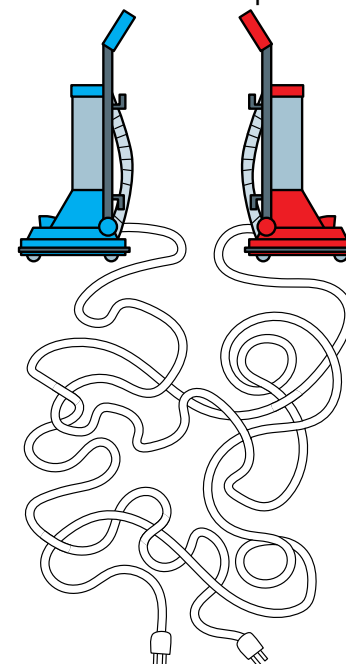


It takes our dishwasher 1 hour and 55 minutes to complete a full cycle. The clock on the left shows the time I started the dishwasher. Draw the hands to show the time it will be finished on the right clock.

Will it be done by 4:00 p.m.?



UNTANGLE: Use a blue crayon to follow the blue vacuum's power cord. Use a red crayon to follow the red vacuum's power cord.



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