



How many 10 baht coins are needed to ride on a kiddie ride?





Two 10 baht coins are required to make the machine work.



Similarly, to operate a kiddie car, it requires 2,000 watts of electrical power, where **Watts** is a unit of measurement for electrical power.



Which microwave is more energy efficient?



A microwave uses 800 watts.

A microwave uses 700 watts.



Which convection oven is more energy efficient?



A convection oven uses 1,200 watts. A convection oven uses 1,300 watts.



Which electric pan is more energy efficient?



An electric pan uses 1,000 watts.



An electric pot uses 1,300 watts.



Which iron is more energy efficient?



An iron uses 2,350 watts.



An iron uses 2,000 watts.



Which water heater is more energy efficient?



A water heater uses 3,500 watts. A water heater uses 3,800 watts.





Which fan is more energy efficient?



A fan uses 65 watts.

A fan uses 50 watts.



Calculate the electricity bill and compare which room of Man and Oil is more energy efficient.





Calculate the electricity bill and compare which room of John and Eva is more energy efficient.

A washing machine 700 watts





John's room uses electricity 2,700 watts.





A water pump 250 watts



Eva's room uses electricity 2,750 watts.



A microwave 2,500 watts



Let's calculate the electricity bill!!

1 unit of electricity contains 1,000 watts of electricity in 1 hour. Suppose that 1 unit of electricity costs 5 baht.

Miss Eva is asked to make Shabu at home for 1.5 hours. How much will Miss Eva have to pay for electricity?



2,000 Watt

= 2,000 Watt x 1.5 Hour = 3,000 Watt lu 1 Hour

So, Miss Eva used 3,000 divided by 1,000 = 3 units of electricity.

Calculate as 3 units x 5 baht = 15 baht.





Let's calculate the electricity bill!!

Calculate the electricity bill and compare which devices we spend the most on in a day.



Refrigerator 200 Watts 24 hours

4,800 Watts/hour Electricity cost 24 baht



Washing machine 2,000 watts 3 hours

6,000 Watts/hour Electricity cost 30 baht



Microwave 700W 30min

350 Watts/hour Electricity cost 2.5 baht



Rice cooker 1,500 watts 2 hours

3,000 Watts/hour Electricity cost 15 baht





875 Watt-hours Electricity cost 4 baht

Lesson 3 Energy Detective



360 Watts/hour Electricity cost 1.8 baht

Let students share their opinions on ways to save energy in everyday life.

- Turn off unnecessary lights.
- Turn off the TV, unplug it, don't just turn it off with the remote.
- The refrigerator should not be turned on and off frequently.
- Choose the size that is necessary for useIron Iron a lot at once, unplug it for 3 minutes.
- Water Do not leave it on while brushing your teeth and notice if there is a water leak.
- Air conditioners should be set to 25 degrees Celsius, turn it off before leaving the house and Clean it regularly.
- Cars should be turned off while waiting for a signal, check the route first.
- Avoid rush hour or take public transportation.





End of Lesson 3





Interested in joining an activity with Delta?

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