

Answer on Question #53644-Physics-Other

There are two housewives Neeru and Meena. They have to serve tea to four guests who are likely to visit them at an interval of 15 minutes. Neeru prepares tea each time the guest arrives. Meena prepares four cup of tea when the first guest arrives and stores it in a thermos flask and serves when the guest arrives. Who saves energy? Give reasons for your answer.

Answer

I think that Meena saves energy. It is because they have to heat equal volumes of water both. But Neeru have to heat the teapot four times wherever Meena heat the teapot only once. Even though the teapot would not be cool each time it will need nonzero heat to boiling temperature of water.

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