

Formula review 2

1. If a TV used 400 000 J of energy and 600 W of power. How many hours did you watch TV for?
2. What was the potential difference of a computer that used 55 000 J of energy when it was on for 2 hours and had 1.2 A?
3. How much time passed in minutes when a computer did 700 000 J of work and had 550 W of power?
4. What was the current intensity of a clock radio that used 50 000 J of energy when it was on for 5 hours and had 210 V?
5. What was the potential difference of a circuit that used 90 000 J of energy when it was on for 50 minutes and had 5.2 A?
6. What was the potential difference of a computer that used 55 000 J of energy when it was on for 5 hours and had 9.2 A?
7. A radio is on for 6 hours and has 700 W of power. What is the energy in kWh?
8. What was the current intensity of a clock radio if it used 100 V and a 100 Ω resistor?

9. What is the resistance of a resistor if it uses 200 V and 5 A of current?

10. What is the power in kW when a dishwasher used 20 V and 2.5 A?

11. How much time elapsed in hours if a TV used 50 000 J of energy and needs 40 W of power?

12. A hairdryer is on for 15 minutes and uses 220 V and 5.5 A how much energy will be used in kWh?

13. What is the potential difference of a circuit if it has a 6.5 Ω resistor and 3.0 A?

14. What is the resistance of a resistor if the power supply is set at 8 V and the current intensity is 2 A?

15. An appliance is on for 90 minutes and uses 400 W of power how much energy will be used in J?

16. How much time elapsed in minutes if a TV used 55 000 J of energy and needs 150 W of power?