

POWER RATINGS

Use the power ratings information sheet to answer the questions below.

<p>1. Calculate the energy delivered by a hairdryer when it is on for 4 minutes</p>	<p>2. State the maximum power of a toaster.</p> <p>Calculate the amount of energy the toaster uses in 3 minutes.</p>	<p>3. State which uses up the most energy per second between a tablet and a TV Box.</p>								
<p>4. List in the table below three appliances that are used for heating.</p> <table border="1" data-bbox="85 689 595 946"> <thead> <tr> <th>Appliance</th> <th>Power</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> </tr> </tbody> </table>	Appliance	Power							<p>5. How long will it take an immersion heater to deliver 18,000 Joules.</p>	<p>6. A tumble drier of maximum power transfers 3,600,000 Joules of electrical energy. How long in minutes does it take to do this.</p>
Appliance	Power									
<p>7. The following appliances were switched on for three minutes. Put into order of most energy conversion.</p> <p><i>Towel Rail, Deep fryer, Tablet on charge</i></p>	<p>8. State the electrical appliance which transforms four more times the energy per second than a towel rail.</p>	<p>An electrical appliance transforms 900,000 Joules in one hour.</p> <p>Calculate its power and state from the list what the appliance is likely to be.</p>								