

16 The input power to a television is P_{in} . The useful sound and light power emitted by the television is P_{out} .

What is the efficiency of the television?

A $\frac{P_{\text{out}}}{P_{\text{in}}}$

B $\frac{P_{\text{in}} - P_{\text{out}}}{P_{\text{in}}}$

C $\frac{P_{\text{in}}}{P_{\text{out}}}$

D $\frac{P_{\text{out}}}{P_{\text{in}} - P_{\text{out}}}$