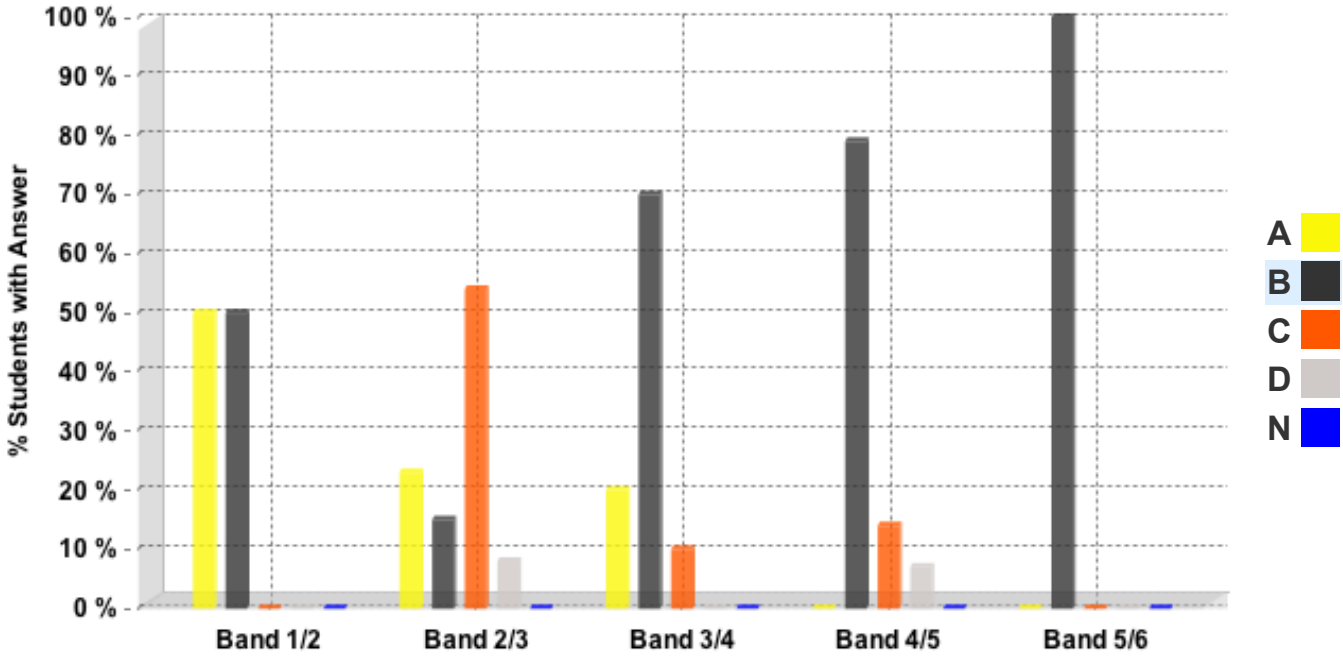
2010 Electrotechnology

Question 14

What must be reduced to increase the efficiency of an electrical system?

A ✗ The input to the system
B ✓ The losses of the system
C ✗ The output from the system
D ✗ The amount of time the system operates

HSC Statistics on this Question:



	Band 1/2	Band 2/3	Band 3/4	Band 4/5	Band 5/6
A	50%	23%	20%	0%	0%
B	50%	15%	70%	79%	100%
C	0%	54%	10%	14%	0%
D	0%	8%	0%	7%	0%
N	0%	0%	0%	0%	0%

The table and graph show, for the groups of students whose marks in the examination corresponded to the borderline between two bands, what percentages of each group selected the responses A, B, C and D. N is used to identify: No valid response.

Note that apparent anomalies in the table and graph, such as 0% or 100% of students choosing a particular response, can occur when there are no students (or very few students) who scored the particular examination mark associated with that borderline.