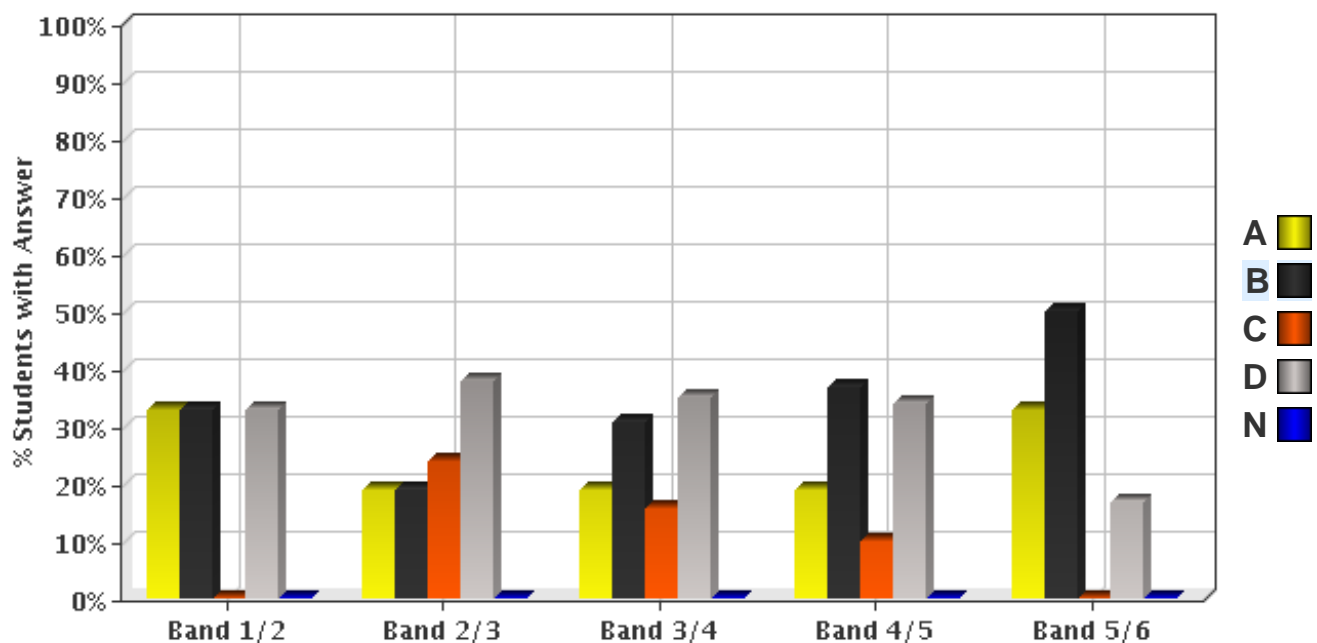


## Question 12

When finding the cause of an electrical fault, what are the essential requirements of a good diagnosis?

- A ✗ Investigation, research, testing and experimentation
- B ✓ Knowledge, research, analysis and decision
- C ✗ Analysis, elimination and experimentation
- D ✗ Testing, substitution and elimination

### HSC Statistics on this Question:



	Band 1/2	Band 2/3	Band 3/4	Band 4/5	Band 5/6
A	33%	19%	19%	19%	33%
B	33%	19%	31%	37%	50%
C	0%	24%	16%	10%	0%
D	33%	38%	35%	34%	17%
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.