

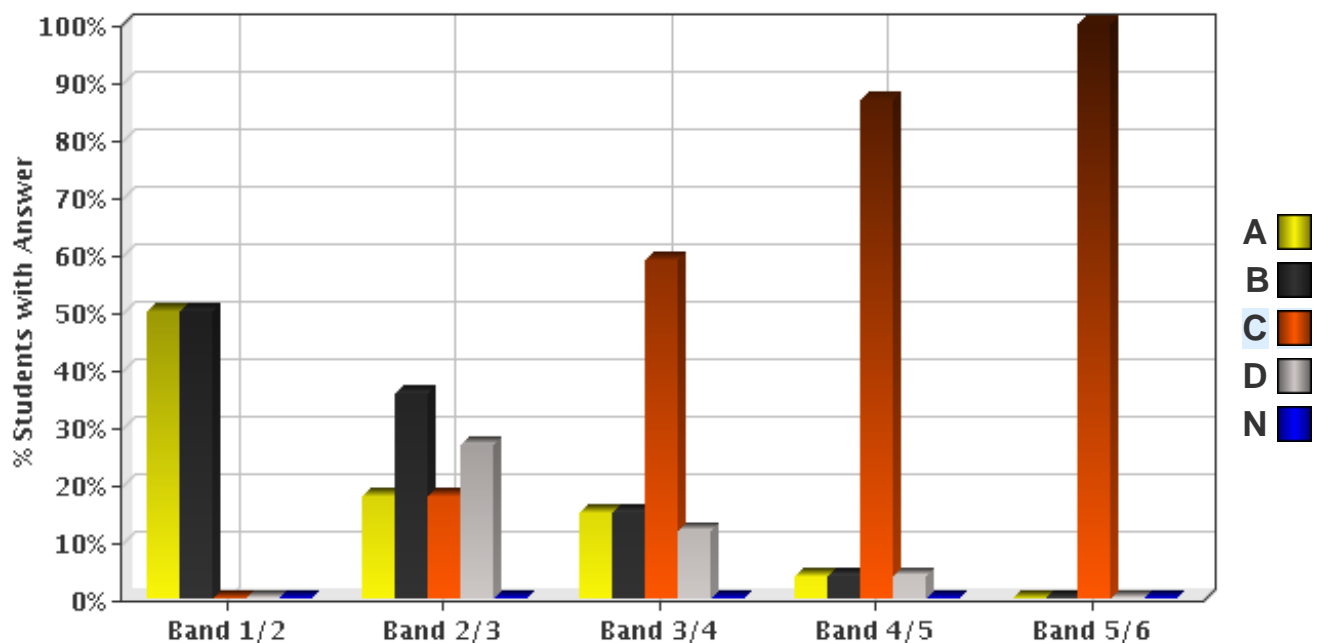
## Question 10

A circuit consists of three 60-ohm resistors connected in parallel with each other.

If one resistor becomes open circuit, what is the total resistance, in ohms, of the circuit?

- A  0
- B  20
- C  30
- D  Infinite

### HSC Statistics on this Question:



	Band 1/2	Band 2/3	Band 3/4	Band 4/5	Band 5/6
A	50%	18%	15%	4%	0%
B	50%	36%	15%	4%	0%
C	0%	18%	59%	87%	100%
D	0%	27%	12%	4%	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.