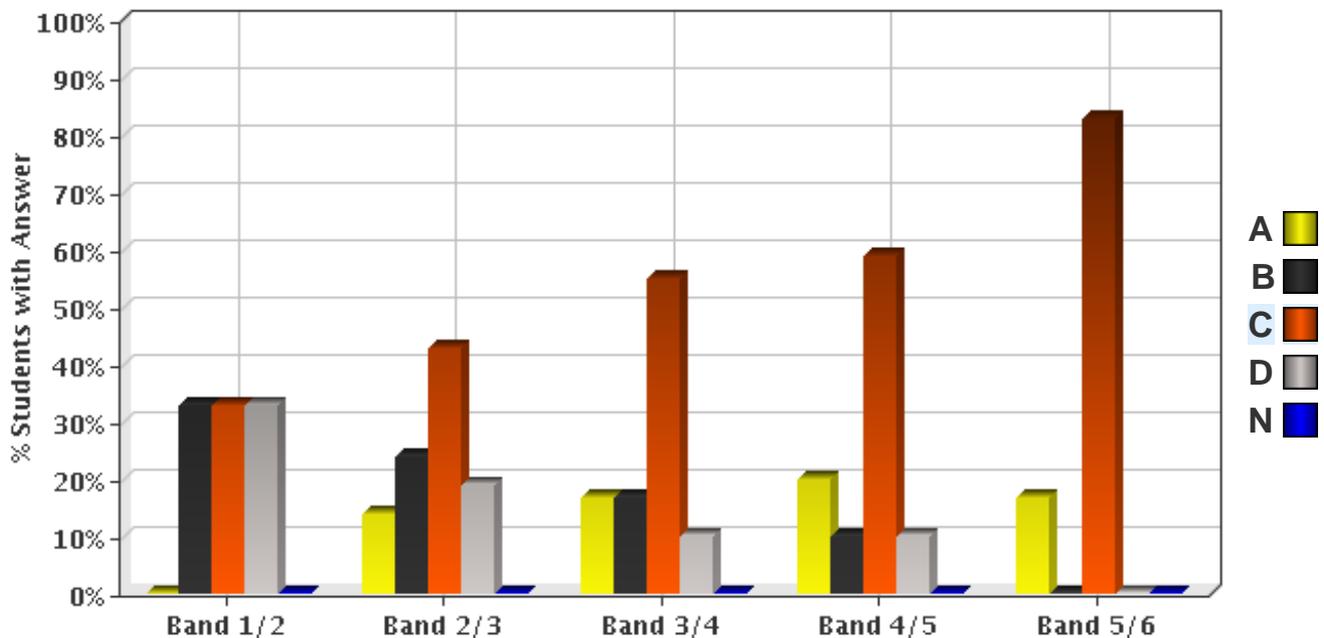


Question 1

Which of the following should be the first option to loosen a frozen/rusted screw?

- A Heat with an oxyacetylene flame
- B Grind off the head, drill and easy-out
- C Use an impact driver and hammer
- D Use a centre punch and hammer to turn the screw

HSC Statistics on this Question:



	Band 1/2	Band 2/3	Band 3/4	Band 4/5	Band 5/6
A	0%	14%	17%	20%	17%
B	33%	24%	17%	10%	0%
C	33%	43%	55%	59%	83%
D	33%	19%	10%	10%	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.

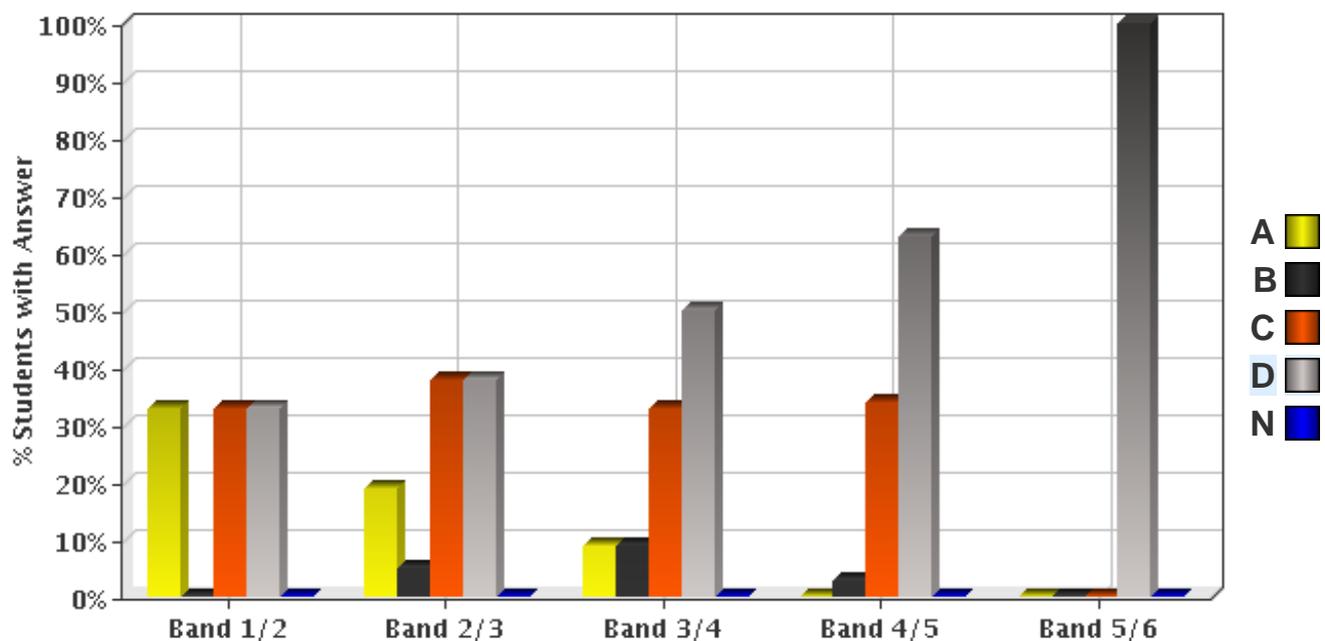
Note that apparent anomalies in the table and graph, such as 0% or 100% of students choosing a particular response, can occur when there are no students (or very few students) who scored the particular examination mark associated with that borderline.

Question 2

The glass envelope of a new quartz halogen headlight globe is covered in a protective sleeve to prevent

- A ✗ damage if it is dropped.
- B ✗ the glass tarnishing while in storage.
- C ✗ moisture build-up causing premature failure.
- D ✓ hands touching the glass and causing premature failure.

HSC Statistics on this Question:



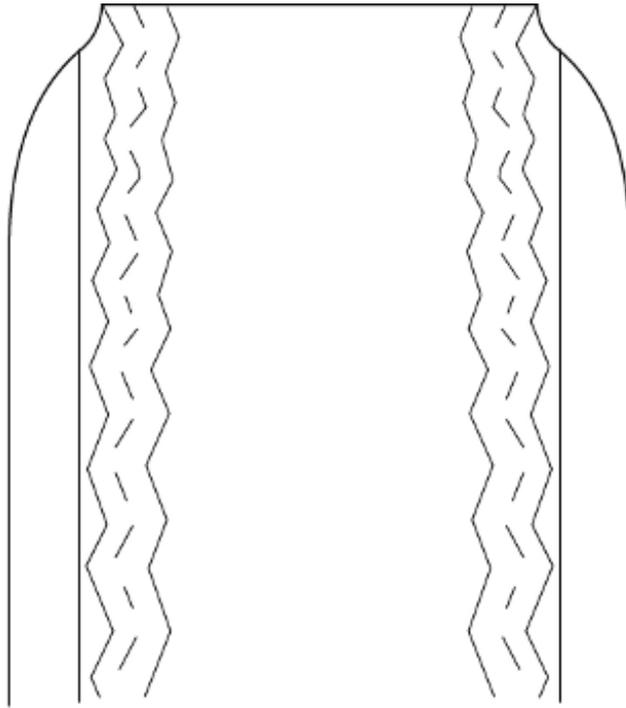
	Band 1/2	Band 2/3	Band 3/4	Band 4/5	Band 5/6
A	33%	19%	9%	0%	0%
B	0%	5%	9%	3%	0%
C	33%	38%	33%	34%	0%
D	33%	38%	50%	63%	100%
N	0%	0%	0%	0%	0%

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.

Question 3

A tyre shows excessive wear in the centre of the tread as shown.

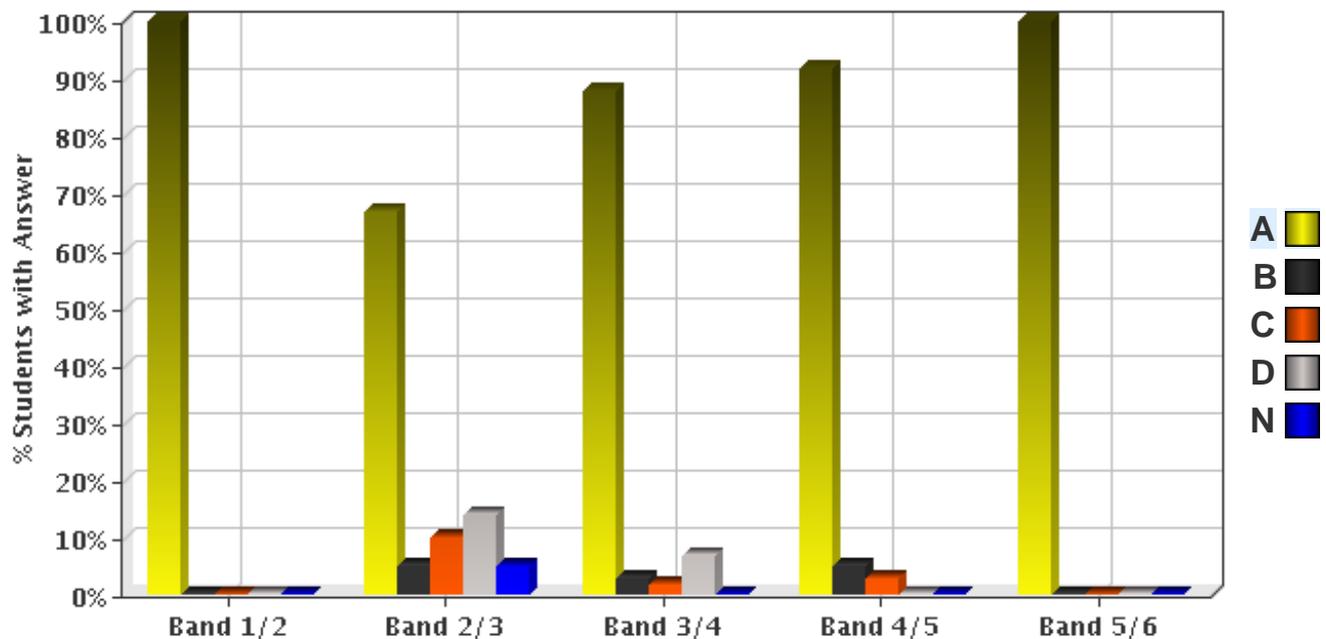


Reproduced with the kind permission of McGraw-Hill Education Australia & New Zealand.
Source: "Automotive Mechanics", 7th edition, Ed May & Les Simpson, page 395.

What is the most likely cause of this?

- A ✓ Over-inflation
- B ✗ Under-inflation
- C ✗ Poor rotation schedule
- D ✗ Steering misalignment

HSC Statistics on this Question:



	Band 1/2	Band 2/3	Band 3/4	Band 4/5	Band 5/6
A	100%	67%	88%	92%	100%
B	0%	5%	3%	5%	0%
C	0%	10%	2%	3%	0%
D	0%	14%	7%	0%	0%
N	0%	5%	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.

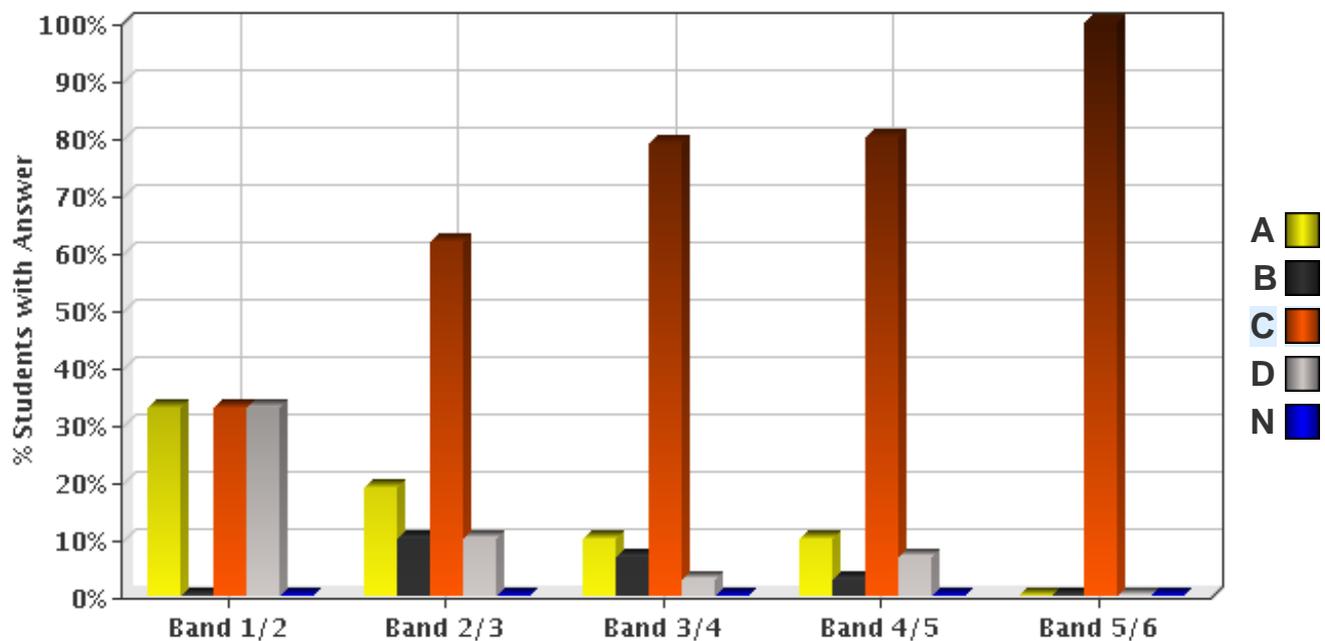
Note that apparent anomalies in the table and graph, such as 0% or 100% of students choosing a particular response, can occur when there are no students (or very few students) who scored the particular examination mark associated with that borderline.

Question 4

A red diamond in the centre of the number plate indicates that the vehicle

- A ✗ is owned and registered by the Commonwealth government.
- B ✗ is a commercial vehicle, permitted to park in a loading zone.
- C ✓ has liquid petroleum gas (LPG) fitted.
- D ✗ is a registered taxi or hire car.

HSC Statistics on this Question:



	Band 1/2	Band 2/3	Band 3/4	Band 4/5	Band 5/6
A	33%	19%	10%	10%	0%
B	0%	10%	7%	3%	0%
C	33%	62%	79%	80%	100%
D	33%	10%	3%	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.

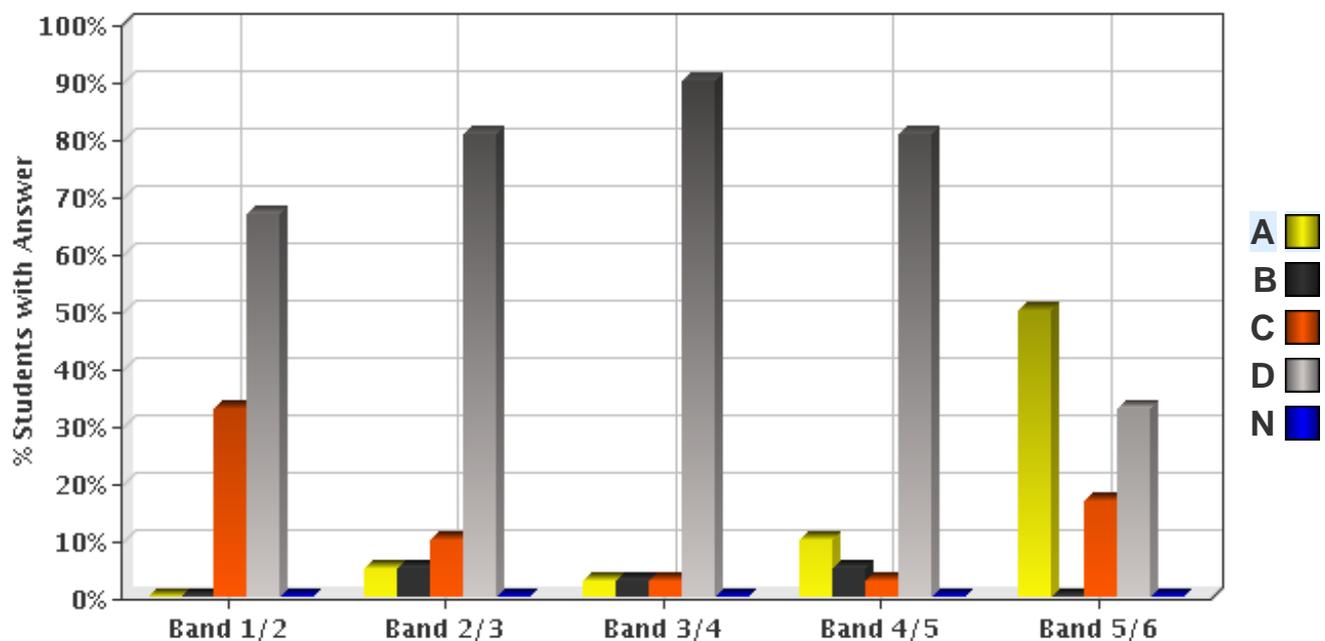
Note that apparent anomalies in the table and graph, such as 0% or 100% of students choosing a particular response, can occur when there are no students (or very few students) who scored the particular examination mark associated with that borderline.

Question 5

What is the correct method for disposal of trade waste water from an automotive workshop?

- A ✓ Discharge it into the sewer after treatment
- B ✗ Pour it onto a suitable grassed area after treatment
- C ✗ Discharge it into the stormwater drain after treatment
- D ✗ Store it in a sealed container and place in an industrial waste bin

HSC Statistics on this Question:



	Band 1/2	Band 2/3	Band 3/4	Band 4/5	Band 5/6
A	0%	5%	3%	10%	50%
B	0%	5%	3%	5%	0%
C	33%	10%	3%	3%	17%
D	67%	81%	90%	81%	33%
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.

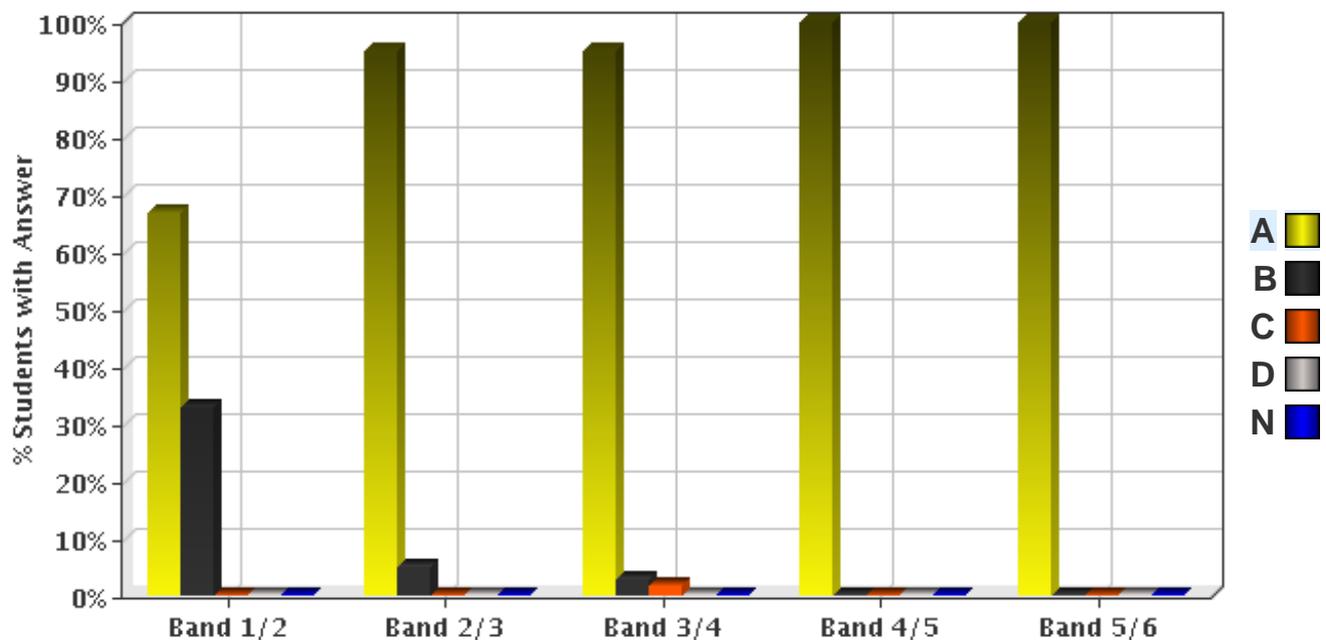
Note that apparent anomalies in the table and graph, such as 0% or 100% of students choosing a particular response, can occur when there are no students (or very few students) who scored the particular examination mark associated with that borderline.

Question 6

What correct safety procedure should you follow if an electric power tool has a frayed lead?

- A Report it to your supervisor and attach a fault tag.
- B Immediately tape up the damaged lead with insulation tape.
- C Report it to your supervisor, but if it is a double-insulated tool it is safe to use.
- D Continue to use it, provided it is connected to an earth leakage breaker (ELB).

HSC Statistics on this Question:



	Band 1/2	Band 2/3	Band 3/4	Band 4/5	Band 5/6
A	67%	95%	95%	100%	100%
B	33%	5%	3%	0%	0%
C	0%	0%	2%	0%	0%
D	0%	0%	0%	0%	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.

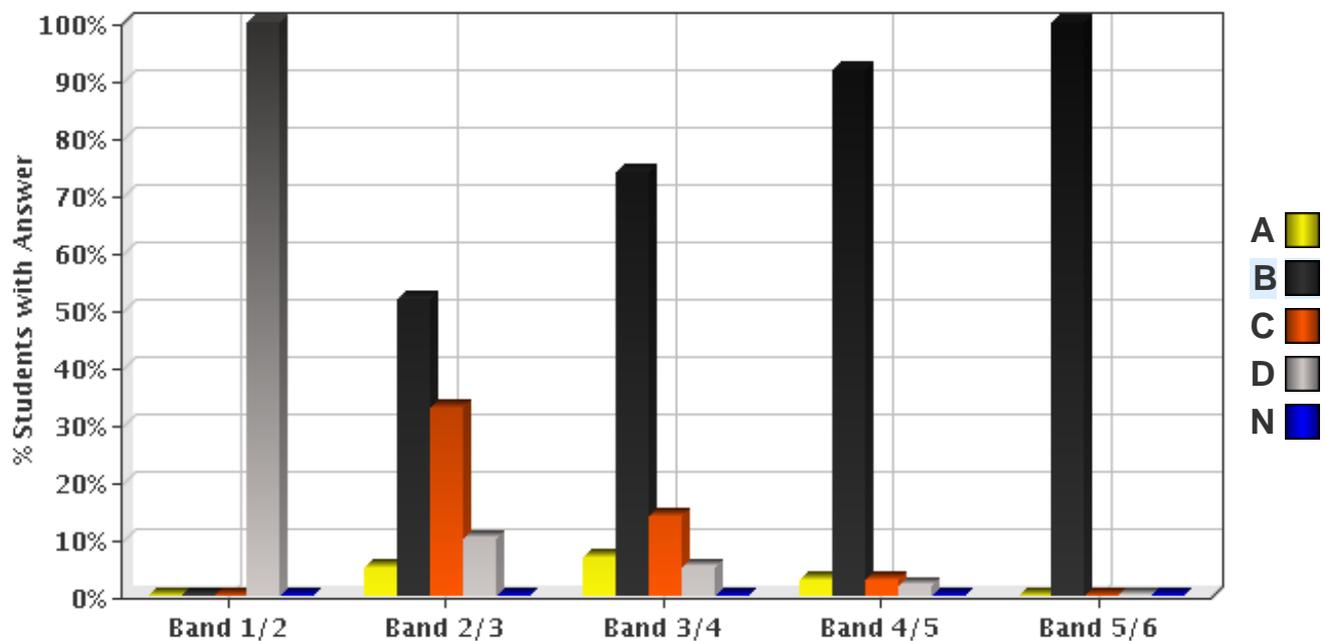
Note that apparent anomalies in the table and graph, such as 0% or 100% of students choosing a particular response, can occur when there are no students (or very few students) who scored the particular examination mark associated with that borderline.

Question 7

What is the primary purpose of a fuse in an electrical circuit?

- A ✗ To allow the current to flow into the circuit
- B ✓ To protect the circuit against excessive current flow
- C ✗ To ensure the current is maintained at the correct amperage
- D ✗ To ensure continued current flow in the event of a short circuit

HSC Statistics on this Question:



	Band 1/2	Band 2/3	Band 3/4	Band 4/5	Band 5/6
A	0%	5%	7%	3%	0%
B	0%	52%	74%	92%	100%
C	0%	33%	14%	3%	0%
D	100%	10%	5%	2%	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.

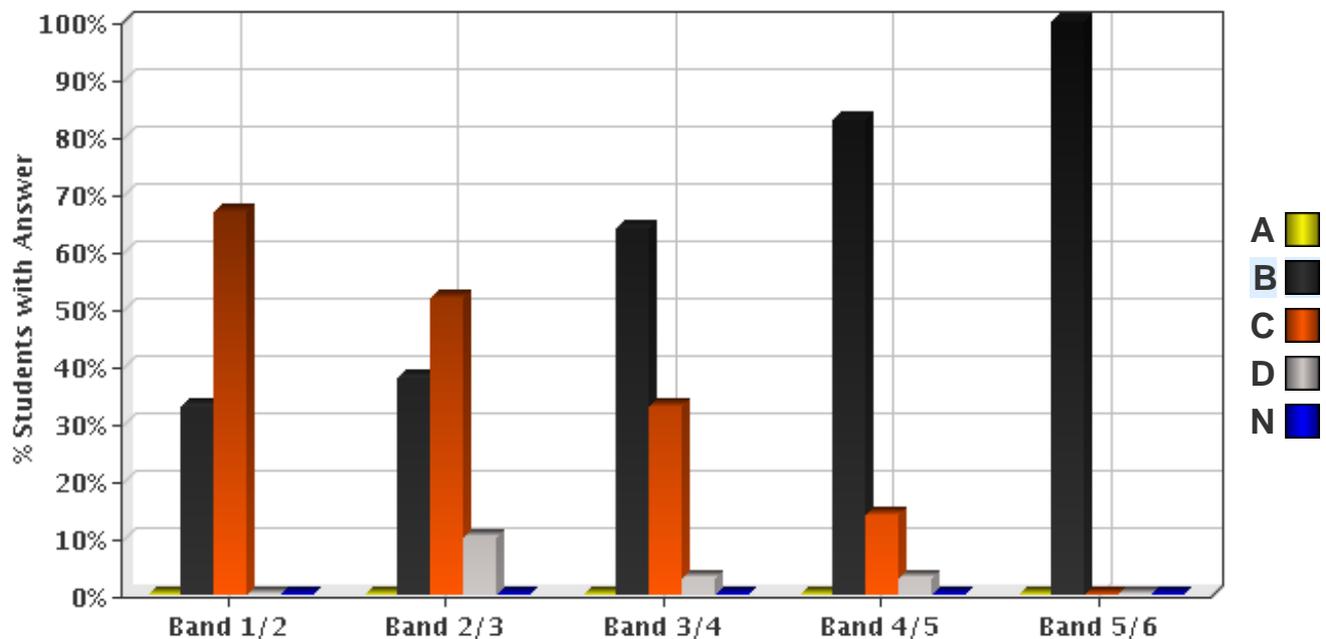
Note that apparent anomalies in the table and graph, such as 0% or 100% of students choosing a particular response, can occur when there are no students (or very few students) who scored the particular examination mark associated with that borderline.

Question 8

Where would you find detailed information about hazardous materials used in a workshop?

- A ✗ WorkCover Authority
- B ✔ Material Safety Data Sheet (MSDS)
- C ✗ Hazardous Materials Unit (HAZMAT)
- D ✗ Environment Protection Authority (EPA)

HSC Statistics on this Question:



	Band 1/2	Band 2/3	Band 3/4	Band 4/5	Band 5/6
A	0%	0%	0%	0%	0%
B	33%	38%	64%	83%	100%
C	67%	52%	33%	14%	0%
D	0%	10%	3%	3%	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.

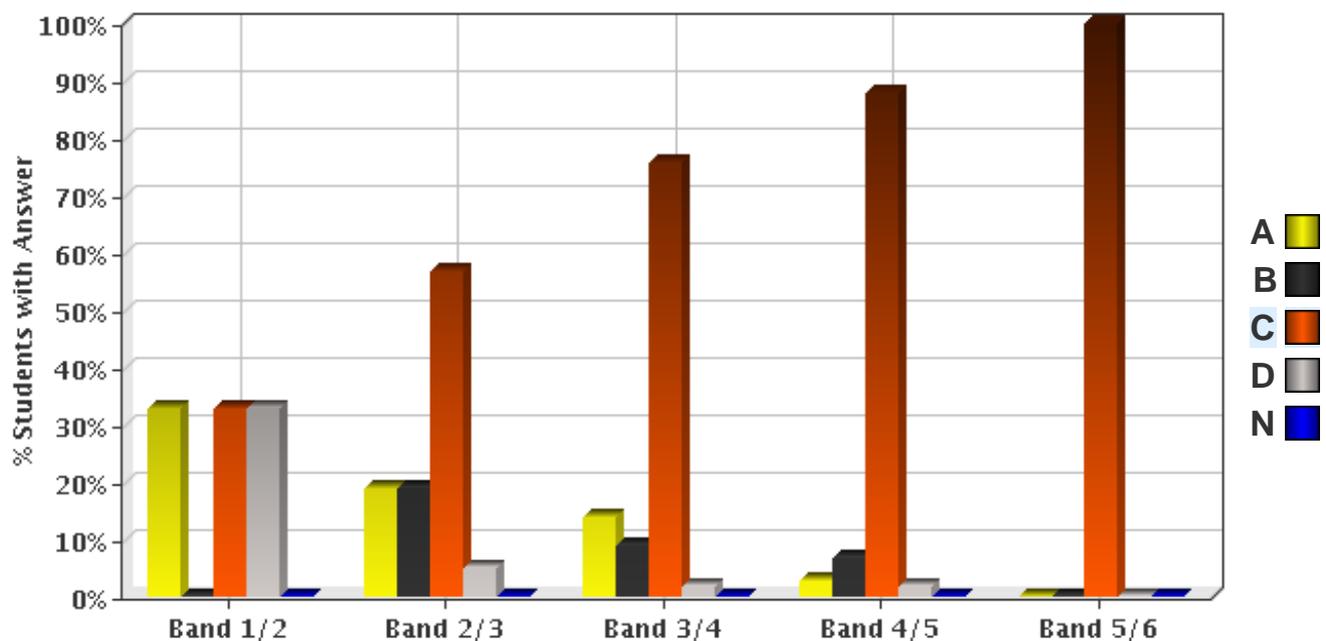
Note that apparent anomalies in the table and graph, such as 0% or 100% of students choosing a particular response, can occur when there are no students (or very few students) who scored the particular examination mark associated with that borderline.

Question 9

Which of the following would be the best practice procedure in making a diagnosis of a problem?

- A Substitute a component to clearly identify the fault
- B Understand exactly what the owner says and wants
- C Use a systematic approach and follow a logical sequence
- D Ask a work colleague for information to draw conclusions from

HSC Statistics on this Question:



	Band 1/2	Band 2/3	Band 3/4	Band 4/5	Band 5/6
A	33%	19%	14%	3%	0%
B	0%	19%	9%	7%	0%
C	33%	57%	76%	88%	100%
D	33%	5%	2%	2%	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.

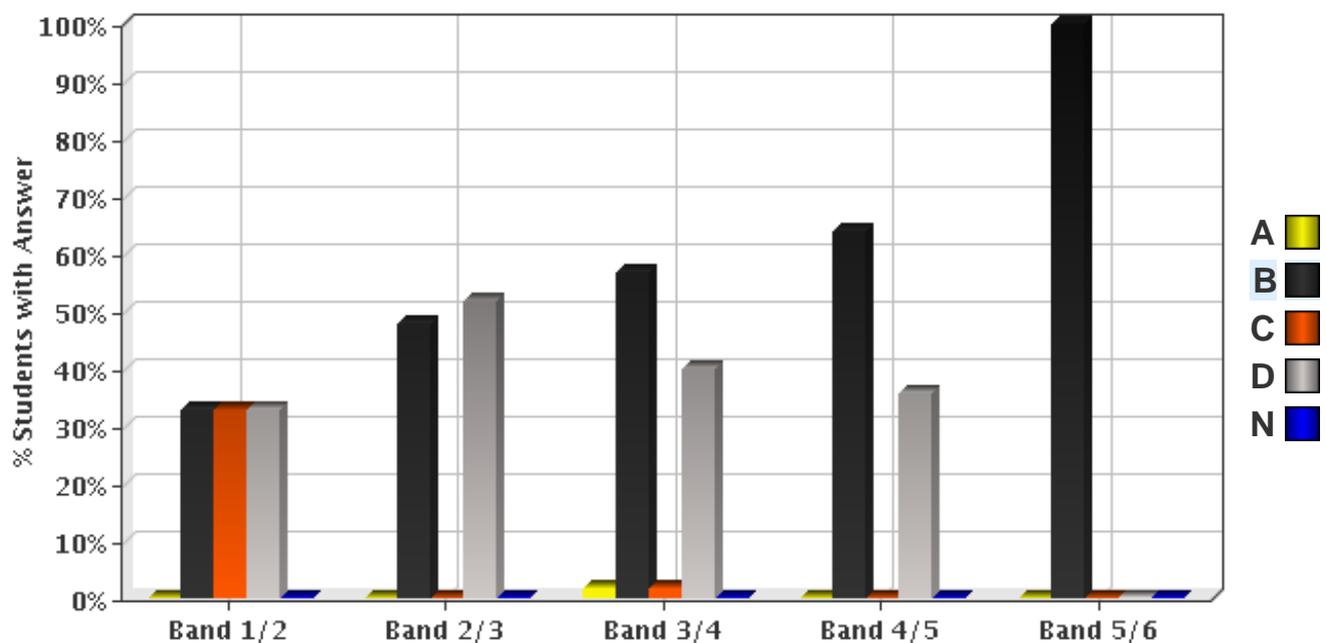
Note that apparent anomalies in the table and graph, such as 0% or 100% of students choosing a particular response, can occur when there are no students (or very few students) who scored the particular examination mark associated with that borderline.

Question 10

Which of the following is the correct sequence of steps in charging a flat battery?

- A Switch charger on, connect negative charger lead, connect positive charger lead
- B Connect positive charger lead, connect negative charger lead, switch charger on
- C Connect negative charger lead, switch charger on, connect positive charger lead
- D Connect negative charger lead, connect positive charger lead, switch charger on

HSC Statistics on this Question:



	Band 1/2	Band 2/3	Band 3/4	Band 4/5	Band 5/6
A	0%	0%	2%	0%	0%
B	33%	48%	57%	64%	100%
C	33%	0%	2%	0%	0%
D	33%	52%	40%	36%	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.

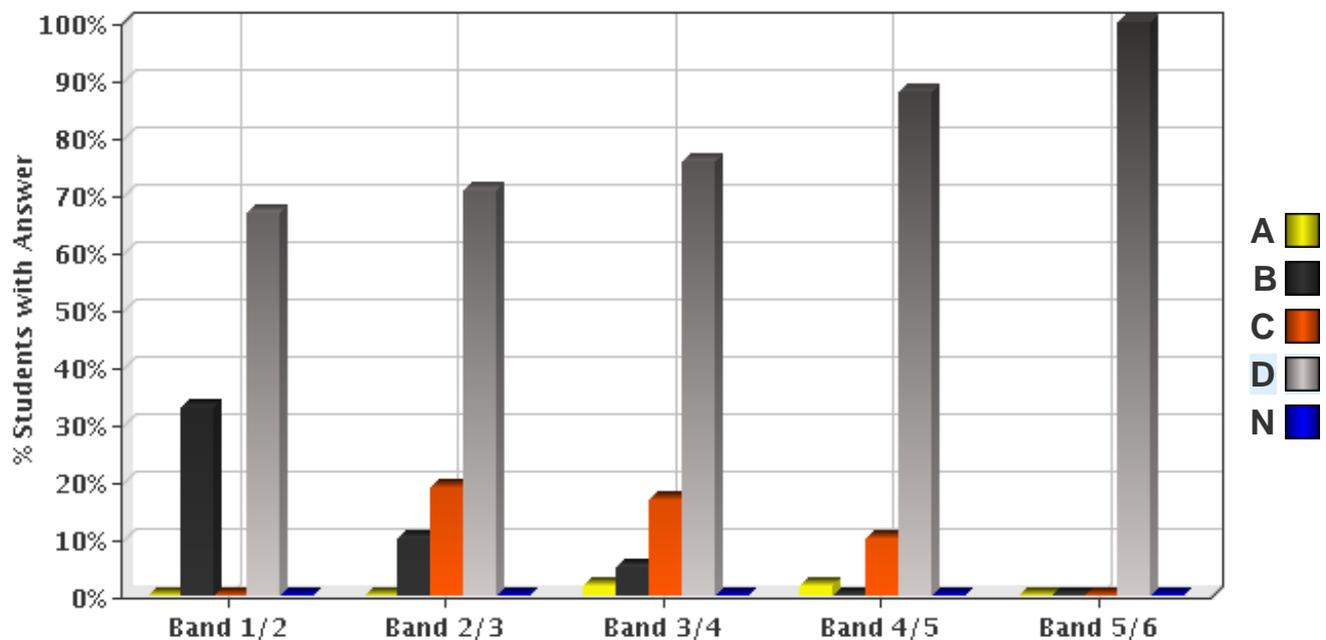
Note that apparent anomalies in the table and graph, such as 0% or 100% of students choosing a particular response, can occur when there are no students (or very few students) who scored the particular examination mark associated with that borderline.

Question 11

Before a person works under a vehicle that has been raised with a floor jack, they should ensure that they

- A ✗ wear the correct personal protective equipment (PPE).
- B ✗ correctly position the jack on a nominated jacking point.
- C ✗ follow the correct occupational health and safety (OHS) procedures for jacking.
- D ✓ support the vehicle using jack stands with the correct safe weight loading (SWL).

HSC Statistics on this Question:



	Band 1/2	Band 2/3	Band 3/4	Band 4/5	Band 5/6
A	0%	0%	2%	2%	0%
B	33%	10%	5%	0%	0%
C	0%	19%	17%	10%	0%
D	67%	71%	76%	88%	100%
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.

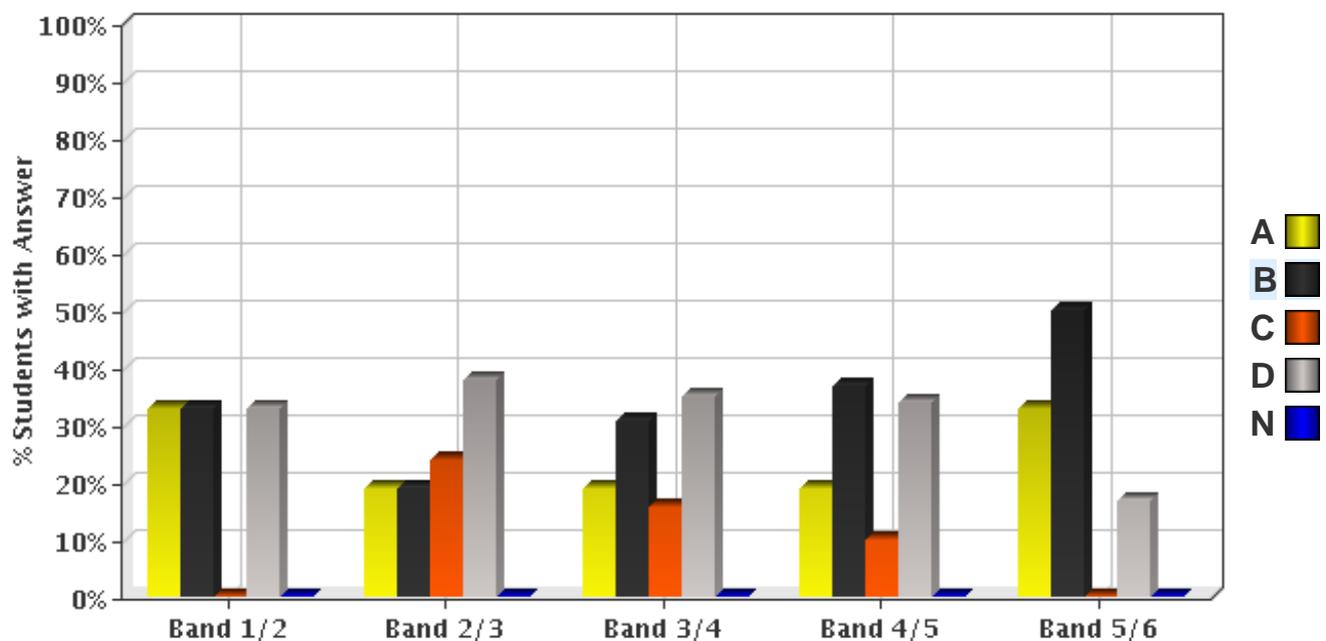
Note that apparent anomalies in the table and graph, such as 0% or 100% of students choosing a particular response, can occur when there are no students (or very few students) who scored the particular examination mark associated with that borderline.

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.

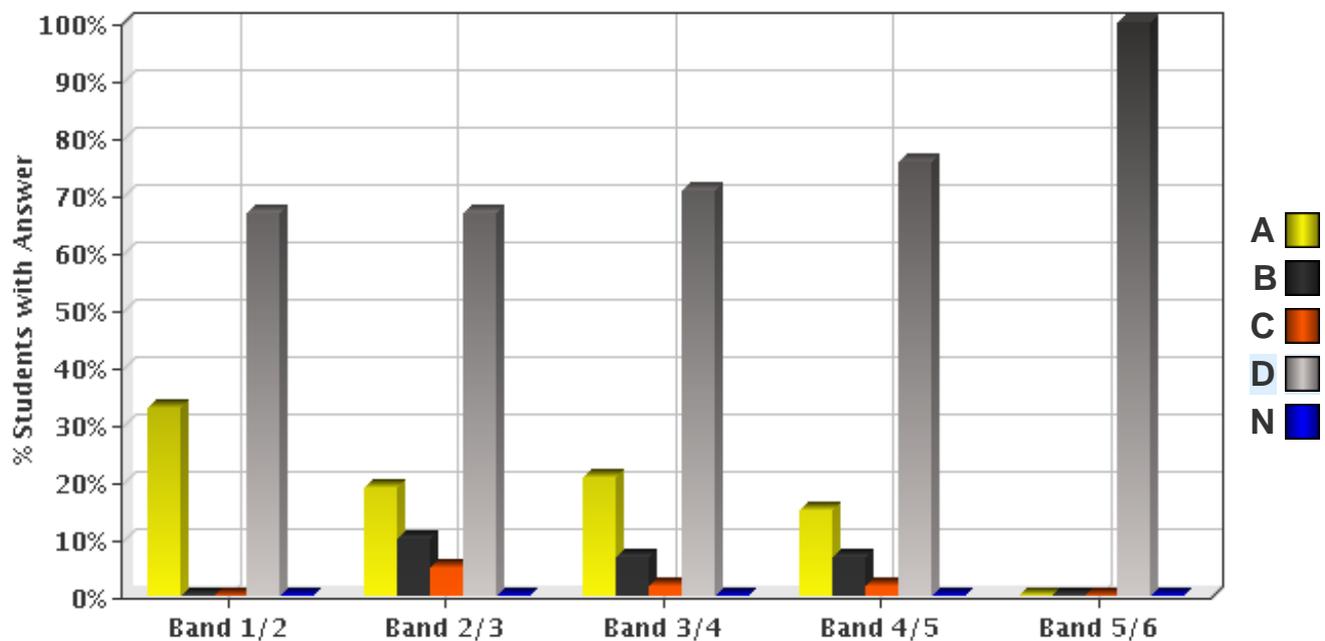
Note that apparent anomalies in the table and graph, such as 0% or 100% of students choosing a particular response, can occur when there are no students (or very few students) who scored the particular examination mark associated with that borderline.

Question 13

Which of the following is a feature of active listening?

- A Note-taking while carefully listening
- B Facing the speaker and quietly listening
- C Nodding your head after every sentence
- D Asking questions and providing feedback

HSC Statistics on this Question:



	Band 1/2	Band 2/3	Band 3/4	Band 4/5	Band 5/6
A	33%	19%	21%	15%	0%
B	0%	10%	7%	7%	0%
C	0%	5%	2%	2%	0%
D	67%	67%	71%	76%	100%
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.

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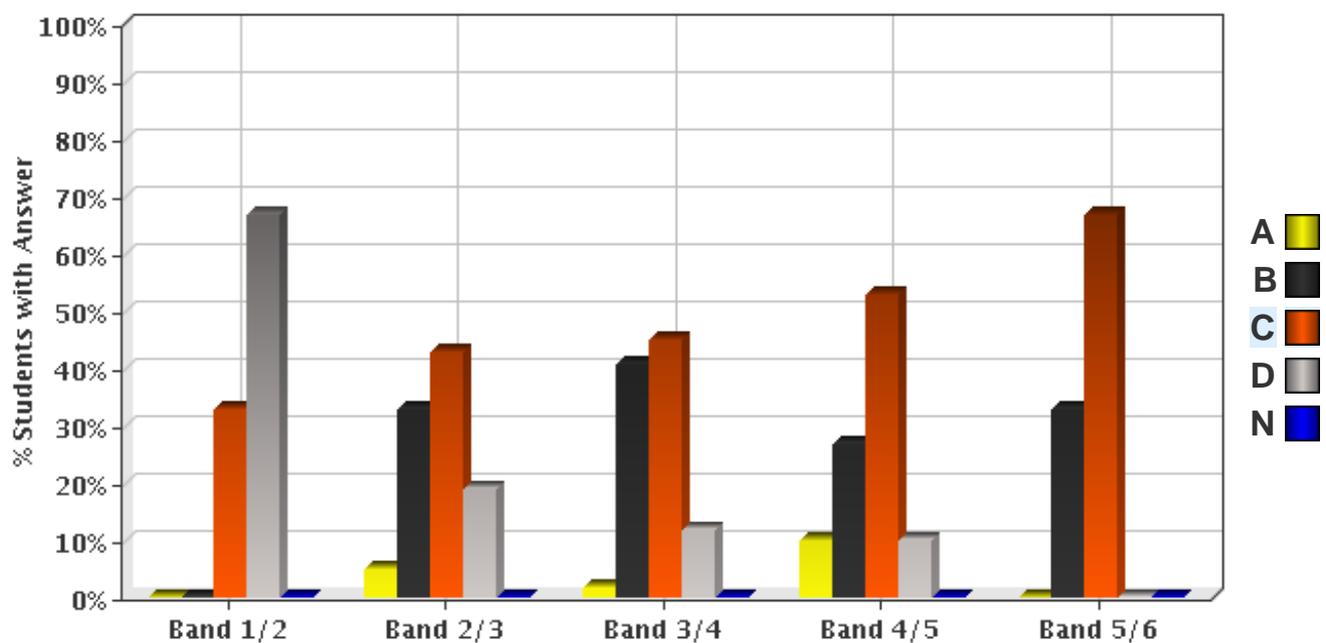
Question 14

A customer took a car to have a mechanical problem fixed. The technician asked several questions.

Which one of the following is an open question?

- A ✗ When did you last refuel the vehicle?
- B ✗ Has the car had a similar problem to this before?
- C ✓ What other information can you give me about the problem?
- D ✗ Where and when did you have your last service done?

HSC Statistics on this Question:



	Band 1/2	Band 2/3	Band 3/4	Band 4/5	Band 5/6
A	0%	5%	2%	10%	0%
B	0%	33%	41%	27%	33%
C	33%	43%	45%	53%	67%
D	67%	19%	12%	10%	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.

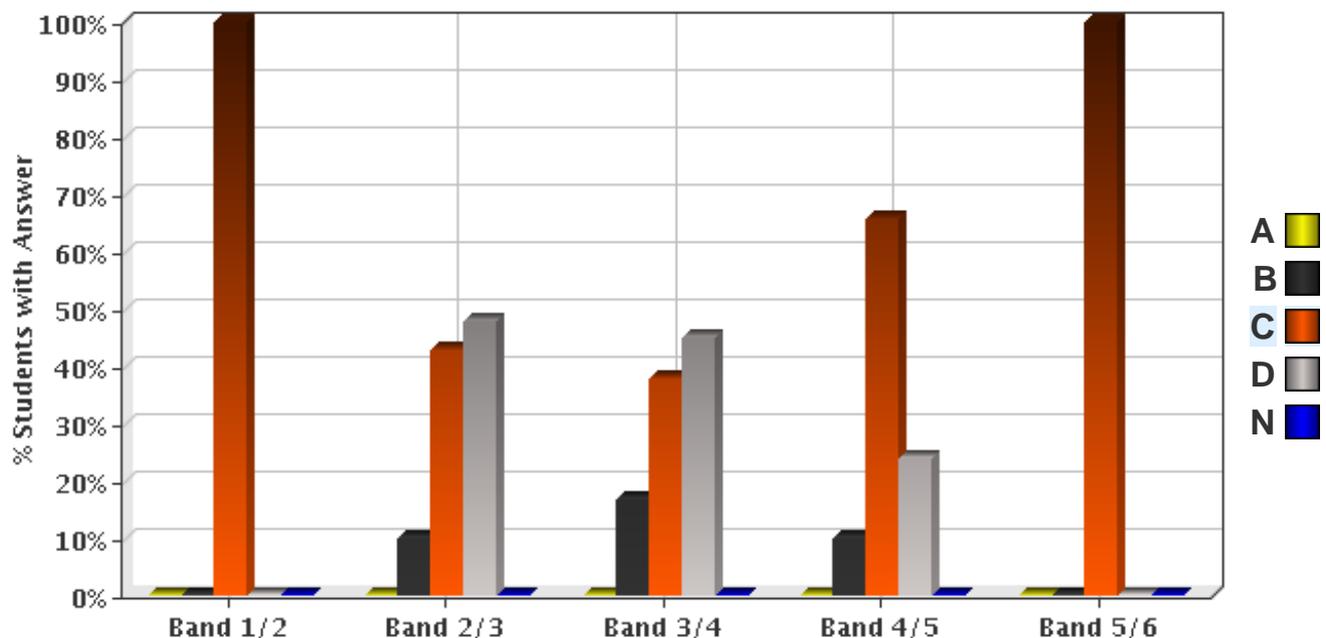
Note that apparent anomalies in the table and graph, such as 0% or 100% of students choosing a particular response, can occur when there are no students (or very few students) who scored the particular examination mark associated with that borderline.

Question 15

Which of the following best describes the role of the Environment Protection Authority (EPA)?

- A To ensure sustainability, profitability and business growth
- B To uphold ethical values relating to environmental protection
- C To monitor and control the management of environmental issues based on government policies
- D To enforce workplace recycling for the improvement of environmental sustainability

HSC Statistics on this Question:



	Band 1/2	Band 2/3	Band 3/4	Band 4/5	Band 5/6
A	0%	0%	0%	0%	0%
B	0%	10%	17%	10%	0%
C	100%	43%	38%	66%	100%
D	0%	48%	45%	24%	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.

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