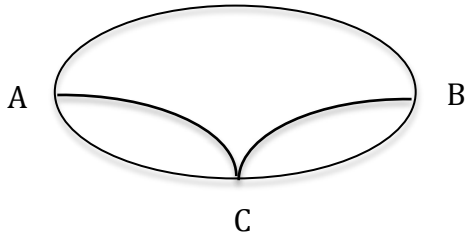
Critical reasoning: Specimen questions

1 Amy has to visit towns B and C in any order. The roads connecting these towns with her home are shown on the diagram. How many different routes can she take starting from A and returning to A, going through both B and C (but not more than once through each) and not travelling any road twice on the same trip?



A	10
B	8
C	6
D	4
E	2

2 All German philosophers, except for Marx, are idealists.

The statement above logically follows from which of the following statements?

A	Except for Marx, if someone is an idealist philosopher, then he or she is German.
B	Marx is the only non-German philosopher who is an idealist.
C	If a German is an idealist, then he or she is a philosopher, as long as he or she is not Marx.
D	Marx is not an idealist German philosopher.
E	Aside from the philosopher Marx, if someone is a German philosopher, then he or she is an idealist.

3. To play a football pools game, participants must select four matches from the fifty on the coupon. Points are scored depending on the result of each match as follows: If the home team wins, the participant scores 1.0 point. If the away team wins, the participant scores 1.5 points. If the match is a draw, the participant scores 3.0 points

Which of the following total scores for the four matches is not possible?

A 8.5 points

B 9.0 points

C 9.5 points

D 10.0 points

E 10.5 points

4. Scientists investigating a rare metabolic disorder theorized that obesity was a necessary previous factor in the development of the disease. A study of twenty patients found that, on average, the patients were close to the normal weight for their height.

Before concluding that obesity is not a necessary previous factor, the researchers would find the answer to which of the following questions most useful?

A Are the patients above or below normal height?

B Were any of the patients underweight when the disorder was diagnosed?

C Does weight loss reduce the severity of the symptoms?

D Have the patients always been close to the normal weight for their heights?

E How many of the patients had obese parents?

Answers 1 B, 2 E, 3 C, 4 D