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### GSE Verbal Reasoning Test

Question 1 of 20  00:16:56

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Which two of these statements must be true?

[A] ☐ Dolphins produce two types of sounds for the purposes of communication  
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Which two of these statements must be true?

[A] ☐ The passage suggests that dolphins and bats are similar animals  
[B] ☐ It is possible for a human being to communicate with a dolphin.  
[C] ☐ Sonar pulses allow dolphins to distinguish between the thickness of different objects.  
[D] ☐ Dolphins are not the only species that use echolocation to detect prey

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### GSE Verbal Reasoning Test

Question 3 of 20  00:15:34

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Which two of these statements must be true?

[A] ☐ There is one major theory explaining the purpose of dolphins' signature whistles  
[B] ☐ Aspects of echolocation remain a source of mystery to scientists  
[C] ☐ Echolocation only occurs in the water  
[D] ☐ Sonar clicks can be used by dolphins for hunting and navigation

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### GSE Verbal Reasoning Test

Question 5 of 20  00:15:07

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In a bid to remain competitive, some haulage firms have been prepared to chance on the wet being less severe than usual by failing to insure against its potential effects. However, in the frequent event that stranded drivers and livestock need to be rescued, the emergency services recover their expenses from

Which two of these statements must be true?

[A] ☐ The government considers that its duty is always to the financial interest of the taxpayer.  
[B] ☐ Insurance premiums can greatly increase the charges made by hauliers to their customers.  
[C] ☐ It is not possible for private road users to insure against travel disruption caused by the weather.  
[D] ☐ The federal government does not believe that taxpayers' money should pay for the recovery of commercial drivers and their loads.

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Question 4 of 20  00:15:19

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Which two of these statements must be true?

[A] ☐ A dolphin's clicks and whistles come from the top of their head.  
[B] ☐ Echolocation is not an ability exclusive to dolphins.  
[C] ☐ Dolphins use acoustic signals to detect prey.  
[D] ☐ A dolphin's unique whistle cannot be copied

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Question 5 of 20  00:14:11

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In a bid to remain competitive, some haulage firms have been prepared to chance on the wet being less severe than usual by failing to insure against its potential effects. However, in the frequent event that stranded drivers and livestock need to be rescued, the emergency services require their expenses from

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### GSE Verbal Reasoning Test

Question 6 of 20  00:12:56

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In a bid to remain competitive, some haulage firms have been prepared to chance on the wet being less severe than usual by failing to insure against its potential effects. However, in the frequent event that extended dryness and droughts need to be resisted, the emergency repairs require their expenses from

Which two of these statements must be true?

[A] ☐ Seasonal weather patterns can be a factor in changes made by hauliers to their customers.  
[B] ☐ It is not possible to determine the extent to which road transport will be disrupted by the wet.  
[C] ☐ Weather patterns always disrupt transportation by road during the wet.  
[D] ☐ The use of bitumen has overcome the problems posed to surface transport by climatic conditions

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Question 7 of 20  00:12:36

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Which two of these statements must be true?

[A] ☐ The wet can be a factor in the ability of some haulage firms to remain competitive.

[B] ☐ During the wet, packed earth highways are unsuitable for use by those engaged in commercial road transport.

[C] ☐ The potential disruption caused by the wet to road transport has financial implications.

[D] ☐ Many uninsured haulage firms cease trading every year.

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### GSE Verbal Reasoning Test

Question 9 of 20  00:12:09

The Arctic is an area virtually free of man-made sources of pollution, yet studies find high concentrations of many toxic materials in the Arctic environment and in the human and wildlife productions of the region. The traditional diet of indigenous people includes fish, seal and whale meat. Whale fat has been found to contain polychlorinated biphenyls (PCBs) in concentrations hundreds of times greater than the maximum tolerable level defined by the Canadian Government. Seal liver can contain a hundred times more mercury than is considered healthy. Beluga, narwhals, caribou and fish have been found to contain excessive amounts of heavy metals, pesticides and DDT residues. There is a strong correlation between PCB exposure and learning difficulties in children.

The pollutants are believed to originate from industrial activity far to the south, in the tropics, and are transported northwards by a recently discovered natural process. Volatile chemicals can evaporate in relatively warm air and recondense in colder air. Once evaporated, a chemical will be carried north by the prevailing winds, generally cooling as it goes. When the temperature is low enough, recondensation

Which two of these statements must be true?

[A] ☐ There are Canadian Government recommendations about maximum tolerable levels of PCBs.

[B] ☐ Land animals such as caribou can be contained with heavy metals.

[C] ☐ Seal liver can be inedible due to mercury poisoning.

[D] ☐ Animals such as narwhal are contained with PCBs.

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Which two of these statements must be true?

[A] ☐ Some haulage firms may not take out insurance in order to remain competitive.  
[B] ☐ The emergency services do not consider it their responsibility to rescue irresponsible commercial road users.  
[C] ☐ The federal government considers the business practices of hauliers to be irresponsible.  
[D] ☐ The recovery of emergency service cost can destroy the financial viability of some haulage business.

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### GSE Verbal Reasoning Test

Question 10 of 20  00:11:57

The Arctic is an area virtually free of man-made sources of pollution, yet studies find high concentrations of many toxic materials in the Arctic environment and in the human and wildlife productions of the region. The traditional diet of indigenous people includes fish, seal and whale meat. Whale fat has been found to contain polychlorinated biphenyls (PCBs) in concentrations hundreds of times greater than the maximum tolerable level defined by the Canadian Government. Seal liver can contain a hundred times more mercury than is considered healthy. Beluga, narwhals, caribou and fish have been found to contain excessive amounts of heavy metals, pesticides and DDT residues. There is a strong correlation between PCB exposure and learning difficulties in children.

The pollutants are believed to originate from industrial activity far to the south, in the tropics, and are transported northwards by a recently discovered natural process. Volatile chemicals can evaporate in relatively warm air and recondense in colder air. Once evaporated, a chemical will be carried north by the prevailing winds, generally cooling as it goes. When the temperature is low enough, recondensation

Which two of these statements must be true?

[A] ☐ There are intolerable levels of PCBs in all Arctic whales.

[B] ☐ Seal liver can contain unacceptable high levels of mercury.

[C] ☐ Eating whale meat causes children to have learning difficulties

[D] ☐ Exposure to PCBs has been associated with learning difficulties in children.

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### GSE Verbal Reasoning Test

Question 1 of 20  00:16:56

Highly intelligent creatures, dolphins communicate with each other almost constantly. Although dolphins do not have their own language, experiments show that they can be taught to understand human sign language. Produced in the dolphin's respiratory system, high-pitched whistles are used to raise alarm or convey emotional states. Every dolphin has a unique whistle, developed early in life. While some researchers believe that signature whistles enable individual dolphins to identify each other, other scientists posit that the whistles simply alert other dolphins to their presence. Researchers have observed dolphins imitating each others' whistles – suggesting that these creatures may be capable of vocal learning. Dolphins also emit a range of clicks, which emanate from the top of their head. Not only a method of sonar communication, these clicks also play a key role in hunting and navigation. The high-frequency clicks travel through the water and bounce off objects. The returning echo from the sound pulses allows a dolphin to judge the object's distance and density with a high degree of accuracy. Scientists remain uncertain exactly how dolphin echolocation works, with one theory being that they perceive the echo in their lower jaw. Bats use a similar echolocation tool to navigate.

Which two of these statements must be true?

[A] ☐ Dolphins produce two types of sounds for the purposes of communication  
[B] ☐ A dolphin uses echolocation to communicate the location of prey to other dolphins  
[C] ☐ Some scientists believe that dolphins have their own language  
[D] ☐ Dolphins do not vocalize exclusively for reasons of communication

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### GSE Verbal Reasoning Test

Question 11 of 20  00:11:47

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The pollutants are believed to originate from industrial activity far to the south, in the tropics, and are transported northwards by a recently discovered natural process. Volatile chemicals can evaporate in relatively warm air and recondense in colder air. Once evaporated, a chemical will be carried north by the prevailing winds, generally cooling as it goes. When the temperature is low enough, recondensation

Which two of these statements must be true?

[A] ☐ Evaporated pollutants can be blown north and cooled.  
[B] ☐ Pollution of the sea in the south leads to polluted sea in the Arctic.  
[C] ☐ Pollutants are transported by a newly discovered natural process.  
[D] ☐ The majority of industrial activity occurs in the tropics.

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Question 1 of 20  00:16:56

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### GSE Verbal Reasoning Test

Question 12 of 20  00:11:37

The Arctic is an area virtually free of man-made sources of pollution, yet studies find high concentrations of many toxic materials in the Arctic environment and in the human and wildlife productions of the region. The traditional diet of indigenous people includes fish, seal and whale meat. Whale fat has been found to contain polychlorinated biphenyls (PCBs) in concentrations hundreds of times greater than the maximum tolerable level defined by the Canadian Government. Seal liver can contain a hundred times more mercury than is considered healthy. Beluga, narwhals, caribou and fish have been found to contain excessive amounts of heavy metals, pesticides and DDT residues. There is a strong correlation between PCB exposure and learning difficulties in children.

The pollutants are believed to originate from industrial activity far to the south, in the tropics, and are transported northwards by a recently discovered natural process. Volatile chemicals can evaporate in relatively warm air and recondense in colder air. Once evaporated, a chemical will be carried north by the prevailing winds, generally cooling as it goes. When the temperature is low enough, recondensation

Which two of these statements must be true?

[A] ☐ There are few polluting industries in the Arctic.  
[B] ☐ There are only clean industries in the Arctic.  
[C] ☐ Some people in the Arctic eat whale meat.  
[D] ☐ There aren't many power stations in the Arctic.

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### GSE Verbal Reasoning Test

Question 13 of 20  00:11:27

Groundwater is usually free of contaminants and does not require filtration, but it often contains iron and other minerals that must be removed to 'soften' the water. Hard water contains ions called calcium and magnesium which render it unsuitable for many purposes. When soap is used with hard water, it is precipitated by these ions to form scum, so that more soap is required to produce lather. Hard water is also undesirable in hot-water systems because it deposits calcium carbonate and calcium sulphate inside pipes and boilers. This is known as limescale. Ion-exchange is sometimes used to soften water. This involves zeolites or ion-exchange resins which release positive ions and take up, in exchange, the calcium and magnesium ions of hard water. Another method of softening water is precipitation, where chemicals added to hard water combines with the calcium and magnesium ions to form insoluble precipitates that are easily removed.

Which two of these statements must be true?

[A] ☐ The ion content of hard water is increased by the soap.  
[B] ☐ Greater volumes of hard water than soft water are required in order to produce lather.  
[C] ☐ The production of lather is influenced by the ion level of hard water.  
[D] ☐ Calcium and magnesium ions precipitate soap to produce scum.

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### GSE Verbal Reasoning Test

Question 14 of 20  00:11:18

Groundwater is usually free of contaminants and does not require filtration, but it often contains iron and other minerals that must be removed to 'soften' the water. Hard water contains ions called calcium and magnesium which render it unsuitable for many purposes. When soap is used with hard water, it is precipitated by these ions to form scum, so that more soap is required to produce lather.

Hard water is also undesirable in hot-water systems because it deposits calcium carbonate and calcium sulphate inside pipes and boilers. This is known as limescale. Ion-exchange is sometimes used to soften water. This involves zeolites or ion-exchange resins which release positive ions and take up, in exchange, the calcium and magnesium ions of hard water. Another method of softening water is precipitation, where chemicals added to hard water combines with the calcium and magnesium ions to form insoluble precipitates that are easily removed.

Which two of these statements must be true?

[A] ☐ Limescale always accumulates inside heating systems which function with hard water.

[B] ☐ Pipes and boilers are affected by the composition of hard water.

[C] ☐ The use of hard water in heating systems can lead to the build of limescale.

[D] ☐ The presence of calcium carbonate and calcium sulphate in hot-water system can be countered by the use of soft water.

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### GSE Verbal Reasoning Test

Question 1 of 20  00:16:56

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### GSE Verbal Reasoning Test

Question 15 of 20  00:11:05

Groundwater is usually free of contaminants and does not require filtration, but it often contains iron and other minerals that must be removed to 'soften' the water. Hard water contains ions called calcium and magnesium which render it unsuitable for many purposes. When soap is used with hard water, it is precipitated by these ions to form scum, so that more soap is required to produce lather. Hard water is also undesirable in hot-water systems because it deposits calcium carbonate and calcium sulphate inside pipes and boilers. This is known as limescale. Ion-exchange is sometimes used to soften water. This involves zeolites or ion-exchange resins which release positive ions and take up, in exchange, the calcium and magnesium ions of hard water. Another method of softening water is precipitation, where chemicals added to hard water combines with the calcium and magnesium ions to form insoluble precipitates that are easily removed.

Which two of these statements must be true?

[A] ☐ Hard water contains calcium and magnesium ions that are taken up by zeolites in the process of ion-exchange.  
[B] ☐ The process of water-softening depends on the action of zeolites or ion-exchange resins.  
[C] ☐ Softened water contributes to the formation of insoluble precipitates  
[D] ☐ Calcium and magnesium ions in hard water are removed in the process of precipitation

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### GSE Verbal Reasoning Test

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### GSE Verbal Reasoning Test

Question 16 of 20  00:10:53

Groundwater is usually free of contaminants and does not require filtration, but it often contains iron and other minerals that must be removed to 'soften' the water. Hard water contains ions called calcium and magnesium which render it unsuitable for many purposes. When soap is used with hard water, it is precipitated by these ions to form scum, so that more soap is required to produce lather. Hard water is also undesirable in hot-water systems because it deposits calcium carbonate and calcium sulphate inside pipes and boilers. This is known as limescale. Ion-exchange is sometimes used to soften water. This involves zeolites or ion-exchange resins which release positive ions and take up, in exchange, the calcium and magnesium ions of hard water. Another method of softening water is precipitation, where chemicals added to hard water combines with the calcium and magnesium ions to form insoluble precipitates that are easily removed.

Which two of these statements must be true?

[A] ☐ The precipitates created by the addition of chemicals can be easily removed to leave behind softened water.  
[B] ☐ The chemicals in hard water are dissolved during the process of precipitation  
[C] ☐ The process of water-softening is speeded up by combining calcium and magnesium ions with other chemicals  
[D] ☐ The interaction of chemicals plays an important role in some methods of water softening.

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### GSE Verbal Reasoning Test

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### GSE Verbal Reasoning Test

Question 17 of 20  00:10:42

Before installing a system to computerize the handling of customer complaints, it is necessary to consider many issues. Customer complaints are received by post, telephone, or through personal calls. The majority of complaints are received by telephone, although in the last year postal complaints have increased by 20 per cent.

Different procedures will be required when computerizing each type of complaints. The major details of all complaints, regardless of how they are received, need to be entered into the computer. The essential details are the customer's account details, the date of the complaint, the nature of the complaint and what action has been taken to resolve the complaint. Guidelines state that replies to all complaints have to be sent out within seven working days of their receipt, except when they concern product installation. Records of all complaints need to be sent quarterly to the Section Manager, and a yearly document summarizing complaints and action taken to resolve these also needs to be produced. It is

Which two of these statements must be true?

[A] ☐ All complaints have to be replied to within seven working days.

[B] ☐ All records of complaints must include details of what actions have been taken to resolve them.

[C] ☐ Different procedures are involved in computerizing each type of complaint.

[D] ☐ Computerisation will reduce the time taken to deal with complaints by automating responses

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Which two of these statements must be true?

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### GSE Verbal Reasoning Test

Question 18 of 20  00:10:29

Before installing a system to computerize the handling of customer complaints, it is necessary to consider many issues. Customer complaints are received by post, telephone, or through personal calls. The majority of complaints are received by telephone, although in the last year postal complaints have increased by 20 per cent.

Different procedures will be required when computerizing each type of complaints. The major details of all complaints, regardless of how they are received, need to be entered into the computer. The essential details are the customer's account details, the date of the complaint, the nature of the complaint and what action has been taken to resolve the complaint. Guidelines state that replies to all complaints have to be sent out within seven working days of their receipt, except when they concern product installation. Records of all complaints need to be sent quarterly to the Section Manager, and a yearly document summarizing complaints and action taken to resolve these also needs to be produced. It is

Which two of these statements must be true?

[A] ☐ Many issues need to be considered when installing this computer system.

[B] ☐ Complaints received in person do not need the date of the complaint to be recorded.

[C] ☐ At least four pieces of information will be recorded from each complaint.

[D] ☐ Computerising the complaints procedure will improve customer satisfaction.

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### GSE Verbal Reasoning Test

Question 19 of 20  00:10:19

Before installing a system to computerize the handling of customer complaints, it is necessary to consider many issues. Customer complaints are received by post, telephone, or through personal calls. The majority of complaints are received by telephone, although in the last year postal complaints have increased by 20 per cent.

Different procedures will be required when computerizing each type of complaints. The major details of all complaints, regardless of how they are received, need to be entered into the computer. The essential details are the customer's account details, the date of the complaint, the nature of the complaint and what action has been taken to resolve the complaint. Guidelines state that replies to all complaints have to be sent out within seven working days of their receipt, except when they concern product installation. Records of all complaints need to be sent quarterly to the Section Manager, and a yearly document summarizing complaints and action taken to resolve these also needs to be produced. It is

Which two of these statements must be true?

[A] ☐ The computer system will be operational in a year from now.

[B] ☐ A yearly document summarizing complaints and the actions taken to resolve these will be sent to the Section Manager

[C] ☐ Computerisation is expected to improve customer satisfaction with the service.

[D] ☐ The Section Manager will receive records of complaints four times a year.

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### GSE Verbal Reasoning Test

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### GSE Verbal Reasoning Test

Question 20 of 20  00:10:08

Before installing a system to computerize the handling of customer complaints, it is necessary to consider many issues. Customer complaints are received by post, telephone, or through personal calls. The majority of complaints are received by telephone, although in the last year postal complaints have increased by 20 per cent.

Different procedures will be required when computerizing each type of complaints. The major details of all complaints, regardless of how they are received, need to be entered into the computer. The essential details are the customer's account details, the date of the complaint, the nature of the complaint and what action has been taken to resolve the complaint. Guidelines state that replies to all complaints have to be sent out within seven working days of their receipt, except when they concern product installation. Records of all complaints need to be sent quarterly to the Section Manager, and a yearly document summarizing complaints and action taken to resolve these also needs to be produced. This

Which two of these statements must be true?

[A] ☐ All details of every complaints have to be entered into the computer system.

[B] ☐ Computerisation should reduce the time taken to process complaints.

[C] ☐ Computerisation will improve the quality of the service as well as reducing the time taken to deal with each complaint.

[D] ☐ Responses to all complaints, except those relating to installations, have to be sent within seven working days.

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### GSE Verbal Reasoning Test

Question 1 of 20  00:16:56

Highly intelligent creatures, dolphins communicate with each other almost constantly. Although dolphins do not have their own language, experiments show that they can be taught to understand human sign language. Produced in the dolphin's respiratory system, high-pitched whistles are used to raise alarm or convey emotional states. Every dolphin has a unique whistle, developed early in life. While some researchers believe that signature whistles enable individual dolphins to identify each other, other scientists posit that the whistles simply alert other dolphins to their presence. Researchers have observed dolphins imitating each others' whistles – suggesting that these creatures may be capable of vocal learning. Dolphins also emit a range of clicks, which emanate from the top of their head. Not only a method of sonar communication, these clicks also play a key role in hunting and navigation. The high-frequency clicks travel through the water and bounce off objects. The returning echo from the sound pulses allows a dolphin to judge the object's distance and density with a high degree of accuracy. Scientists remain uncertain exactly how dolphin echolocation works, with one theory being that they perceive the echo in their lower jaw. Bats use a similar echolocation tool to navigate.

Which two of these statements must be true?

[A] ☐ Dolphins produce two types of sounds for the purposes of communication

[B] ☐ A dolphin uses echolocation to communicate the location of prey to other dolphins

[C] ☐ Some scientists believe that dolphins have their own language

[D] ☐ Dolphins do not vocalize exclusively for reasons of communication

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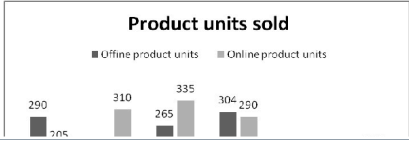
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### GSE Numerical Reasoning Test

Question 1 of 20  00:16:56

Shown below are the product units that a kitchen manufacturer sold each year between 2004 and 2009. The figures are provided for the number of product units that were sold online and the number of product units that were sold offline.

**Product units sold**



| Year | Offline product units | Online product units |
|------|-----------------------|----------------------|
| 2004 | 290                   | 205                  |
| 2005 | 310                   | 265                  |
| 2006 | 335                   | 304                  |
| 2007 | 304                   | 250                  |
| 2008 | 310                   | 265                  |
| 2009 | 335                   | 304                  |

In which year were there more than a hundred online than offline product units sold?

[A] ☐ 2004

[B] ☐ 2006

[C] ☐ 2005

[D] ☐ 2009

[E] ☐ 2007

[F] ☐ 2008

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### GSE Numerical Reasoning Test

Question 2 of 20  00:16:45

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Question 1 of 20 00:16:56

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### GSE Numerical Reasoning Test

Question 3 of 20 00:16:34

Shown below are the product units that a kitchen manufacturer sold each year between 2004 and 2009. The figures are provided for the number of product units that were sold online and the number of product units that were sold offline.

**Product units sold**

| Year | Offline product units | Online product units |
|------|-----------------------|----------------------|
| 2004 | 290                   | 205                  |
| 2005 | 310                   | 265                  |
| 2006 | 335                   | 304                  |
| 2007 | 304                   | 250                  |

In which years were there more offline product units sold than online product units?

[A] ☐ 2004 and 2005

[B] ☐ 2006 and 2007

[C] ☐ 2005 and 2006

[D] ☐ (F) 2004 and 2009

[E] ☐ 2004 and 2007

[F] ☐ 2004 and 2008

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### GSE Verbal Reasoning Test

Question 1 of 20 00:16:56

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### GSE Numerical Reasoning Test

Question 4 of 20 00:16:25

Shown below are the product units that a kitchen manufacturer sold each year between 2004 and 2009. The figures are provided for the number of product units that were sold online and the number of product units that were sold offline.

**Product units sold**

| Year | Offline product units | Online product units |
|------|-----------------------|----------------------|
| 2004 | 290                   | 205                  |
| 2005 | 310                   | 265                  |
| 2006 | 335                   | 304                  |
| 2007 | 290                   | 250                  |

If there had been double the number of online product units sold in 2008, what fraction would offline product units have been of the total product units sold?

[A] ☐ 5/15

[B] ☐ 1/7

[C] ☐ 1/3

[D] ☐ None of these options

[E] ☐ 1/6

[F] ☐ 1/8

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### GSE Verbal Reasoning Test

Question 1 of 20  00:16:56

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### GSE Numerical Reasoning Test

Question 5 of 20  00:13:34

A company keeps records about employees on a computer database. Each record in the database has the following structure.

| Field name        | Length         |
|-------------------|----------------|
| First name        | 16 characters  |
| Family name       | 20 characters  |
| Home address 1    | 30 characters  |
| Home address 2    | 20 characters  |
| Home address 3    | 20 characters  |
| Home address 4    | 20 characters  |
| Post code         | 10 characters  |
| Home phone no.    | 20 characters  |
| Employment record | 200 characters |
| Record separator  | 2 characters   |
| Total             | 358 characters |

There are 90 employees in one department; 70% of these move when the company is restructured and their records could be deleted. How much disk space would be freed by deleting the records of those who moved?

[A] ☐ 28,674

[B] ☐ 32,230

[C] ☐ 26,554

[D] ☐ 22,554

[E] ☐ 19,554

[F] ☐ 32,220

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### GSE Verbal Reasoning Test

Question 1 of 20  00:16:56

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### GSE Numerical Reasoning Test

Question 6 of 20  00:10:51

A company keeps records about employees on a computer database. Each record in the database has the following structure.

| Field name        | Length                |
|-------------------|-----------------------|
| First name        | 16 characters         |
| Family name       | 20 characters         |
| Home address 1    | 20 characters         |
| Home address 2    | 20 characters         |
| Home address 3    | 20 characters         |
| Home address 4    | 20 characters         |
| Post code         | 10 characters         |
| Home phone no.    | 20 characters         |
| Employment record | 200 characters        |
| Record separator  | 2 characters          |
| <b>Total</b>      | <b>358 characters</b> |

The 'First name' field starts at character number 1 within each record. At what character number does the 'Post code' field begin?

[A] ☐ 128

[B] ☐ 138

[C] ☐ 170

[D] ☐ 126

[E] ☐ 136

[F] ☐ 127

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### GSE Verbal Reasoning Test

Question 1 of 20  00:16:56

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### GSE Numerical Reasoning Test

Question 7 of 20  00:10:40

A company keeps records about employees on a computer database. Each record in the database has the following structure.

| Field name        | Length                |
|-------------------|-----------------------|
| First name        | 16 characters         |
| Family name       | 20 characters         |
| Home address 1    | 30 characters         |
| Home address 2    | 20 characters         |
| Home address 3    | 20 characters         |
| Home address 4    | 20 characters         |
| Post code         | 10 characters         |
| Home phone no.    | 20 characters         |
| Employment record | 200 characters        |
| Record separator  | 2 characters          |
| <b>Total</b>      | <b>358 characters</b> |

What is the total number of characters required to hold the records of 25 employees?

[A] ☐ 8,860

[B] ☐ 8,950

[C] ☐ 8,850

[D] ☐ 8,940

[E] ☐ 8,640

[F] ☐ 8,960

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### GSE Verbal Reasoning Test

Question 1 of 20  00:16:56

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### GSE Numerical Reasoning Test

Question 8 of 20  00:10:30

A company keeps records about employees on a computer database. Each record in the database has the following structure.

| Field name        | Length         |
|-------------------|----------------|
| First name        | 16 characters  |
| Family name       | 20 characters  |
| Home address 1    | 30 characters  |
| Home address 2    | 20 characters  |
| Home address 3    | 20 characters  |
| Home address 4    | 20 characters  |
| Post code         | 10 characters  |
| Home phone no.    | 20 characters  |
| Employment record | 200 characters |
| Record separator  | 2 characters   |
| Total             | 358 characters |

If the amount of space remaining on the computer's disk is 35,700 characters, what is the maximum number of new employees whose details can be added to the database?

[A] ☐ 99

[B] ☐ 101

[C] ☐ 100

[D] ☐ 357

[E] ☐ 98

[F] ☐ 356

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### GSE Numerical Reasoning Test

Question 9 of 20  00:10:18

The value of Product X doubled each year in its first three years of production. Its value then quadrupled in the following year, and trebled in the last year to reach its current value of \$600.

If the value of Product X at the end of its second year of production was \$100, what would its current value be?

[A] ☐ \$4,800  
[B] ☐ \$1,600  
[C] ☐ \$2,400  
[D] ☐ \$5,200  
[E] ☐ \$880  
[F] ☐ \$2,500

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Question 1 of 20  00:16:56

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### GSE Numerical Reasoning Test

Question 10 of 20  00:10:08

The value of Product X doubled each year in its first three years of production. Its value then quadrupled in the following year, and trebled in the last year to reach its current value of \$600.

What was the value of Product X a year ago?

[A] ☐ \$400  
[B] ☐ \$500  
[C] ☐ \$475  
[D] ☐ \$200  
[E] ☐ \$125  
[F] ☐ \$180

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### GSE Numerical Reasoning Test

Question 11 of 20  00:09:57

The value of Product X doubled each year in its first three years of production. Its value then quadrupled in the following year, and trebled in the last year to reach its current value of \$600.

Assume rates of increase over five years are described above. If the current value of Product X is \$720, what would its value have been at the end of its first year of production?

[A] ☐ \$15.00

[B] ☐ \$36.00

[C] ☐ \$14.80

[D] ☐ \$7.50

[E] ☐ \$7.20

[F] ☐ \$18.00

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### GSE Verbal Reasoning Test

Question 1 of 20  00:16:56

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### GSE Numerical Reasoning Test

Question 12 of 20  00:09:47

The value of Product X doubled each year in its first three years of production. Its value then quadrupled in the following year, and trebled in the last year to reach its current value of \$600.

What would the cost of 11 units of Product X have been at the end of its third year of production?

[A] ☐ \$750  
[B] ☐ \$550  
[C] ☐ \$75  
[D] ☐ \$100  
[E] ☐ \$250  
[F] ☐ \$1,100

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### GSE Verbal Reasoning Test

Question 1 of 20 00:16:56

Highly intelligent creatures, dolphins communicate with each other almost constantly. Although dolphins do not have their own language, experiments show that they can be taught to understand human sign language. Produced in the dolphin's respiratory system, high-pitched whistles are used to raise alarm or convey emotional states. Every dolphin has a unique whistle, developed early in life. While some researchers believe that signature whistles enable individual dolphins to identify each other, other scientists posit that the whistles simply alert other dolphins to their presence. Researchers have observed dolphins imitating each others' whistles – suggesting that these creatures may be capable of vocal learning. Dolphins also emit a range of clicks, which emanate from the top of their head. Not only a method of sonar communication, these clicks also play a key role in hunting and navigation. The high-frequency clicks travel through the water and bounce off objects. The returning echo from the sound pulses allows a dolphin to judge the object's distance and density with a high degree of accuracy. Scientists remain uncertain exactly how dolphin echolocation works, with one theory being that they perceive the echo in their lower jaw. Bats use a similar echolocation tool to navigate.

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[D] ☐ Dolphins do not vocalize exclusively for reasons of communication

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### GSE Numerical Reasoning Test

Question 13 of 20 00:09:37

The figure shows a company's bi-monthly sales figures for two years.  
(Bi-monthly refers to a two-month period.)

| Bi-monthly period | Year 1 Sales (£1,000) | Year 2 Sales (£1,000) |
|-------------------|-----------------------|-----------------------|
| 1                 | 30                    | 25                    |
| 2                 | 25                    | 30                    |
| 3                 | 15                    | 25                    |
| 4                 | 15                    | 35                    |
| 5                 | 20                    | 35                    |
| 6                 | 15                    | 30                    |

What was the total value of sales over two years in thousands of pounds?

[A] ☐ 275

[B] ☐ 145

[C] ☐ 345

[D] ☐ 155

[E] ☐ 305

[F] ☐ 310

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### GSE Verbal Reasoning Test

Question 1 of 20 00:16:56

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### GSE Numerical Reasoning Test

Question 14 of 20 00:08:13

The figure shows a company's bi-monthly sales figures for two years.  
(Bi-monthly refers to a two-month period.)

| Bi-monthly period | Year 1 Sales (£1,000) | Year 2 Sales (£1,000) |
|-------------------|-----------------------|-----------------------|
| 1                 | 35                    | 25                    |
| 2                 | 25                    | 30                    |
| 3                 | 15                    | 25                    |
| 4                 | 15                    | 35                    |
| 5                 | 20                    | 35                    |
| 6                 | 15                    | 30                    |

Which bi-monthly periods differed most in their sales between Years 1 and 2?

[A] ☐ 3 and 5

[B] ☐ 3 only

[C] ☐ 6 and 2

[D] ☐ 4 only

[E] ☐ 2 and 4

[F] ☐ 5 and 6

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### GSE Verbal Reasoning Test

Question 1 of 20 00:16:56

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### GSE Numerical Reasoning Test

Question 15 of 20 00:08:01

The figure shows a company's bi-monthly sales figures for two years.  
(Bi-monthly refers to a two-month period.)

| Bi-monthly period | Year 1 Sales (£1,000) | Year 2 Sales (£1,000) |
|-------------------|-----------------------|-----------------------|
| 1                 | 35                    | 25                    |
| 2                 | 25                    | 30                    |
| 3                 | 15                    | 25                    |
| 4                 | 15                    | 35                    |
| 5                 | 20                    | 35                    |
| 6                 | 15                    | 30                    |

What is the average difference in sales for the six bi-monthly periods between Years 1 and 2, in thousands of pounds?

[A] ☐ 12.5

[B] ☐ 15.5

[C] ☐ 8

[D] ☐ 10

[E] ☐ 7.5

[F] ☐ 7.5

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### GSE Verbal Reasoning Test

Question 1 of 20  00:16:56

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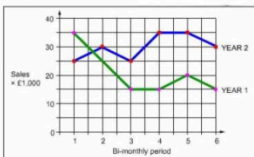
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### GSE Numerical Reasoning Test

Question 16 of 20  00:07:50

The figure shows a company's bi-monthly sales figures for two years.  
(Bi-monthly refers to a two-month period.)



| Bi-monthly period | Year 1 Sales (x £1,000) | Year 2 Sales (x £1,000) |
|-------------------|-------------------------|-------------------------|
| 1                 | 35                      | 25                      |
| 2                 | 25                      | 30                      |
| 3                 | 15                      | 20                      |
| 4                 | 15                      | 35                      |
| 5                 | 20                      | 35                      |
| 6                 | 15                      | 30                      |

If sales for Year 3 were 50% greater than in Year 2, what would the total sales for periods 2 and 3 be, in thousands of pounds?

[A] ☐ 78

[B] ☐ 42.5

[C] ☐ 45

[D] ☐ 87.5

[E] ☐ 37.5

[F] ☐ 82.5

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### GSE Verbal Reasoning Test

Question 1 of 20  00:16:56

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### GSE Abstract Reasoning Test

Question 1 of 16  00:14:57

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### GSE Abstract Reasoning Test

Question 2 of 16  00:14:46

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### GSE Verbal Reasoning Test

Question 1 of 20  00:16:56

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### GSE Abstract Reasoning Test

Question 3 of 16  00:14:35

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### GSE Abstract Reasoning Test

Question 4 of 16  00:14:21

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### GSE Verbal Reasoning Test

Question 1 of 20 00:16:56

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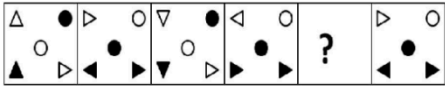
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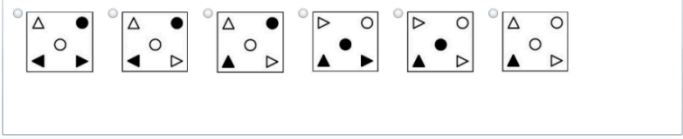
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### GSE Abstract Reasoning Test

Question 6 of 16 00:14:07



The sequence consists of six boxes. Each box contains four shapes arranged in a 2x2 grid. The shapes are: a triangle (pointing up or down), a circle (filled or empty), a square (pointing left or right), and a diamond (filled or empty). The sequence is as follows: Box 1: (up, filled), (down, empty), (left, filled), (right, empty). Box 2: (up, empty), (down, filled), (left, empty), (right, filled). Box 3: (up, filled), (down, empty), (left, filled), (right, empty). Box 4: (up, empty), (down, filled), (left, empty), (right, filled). Box 5: (up, filled), (down, empty), (left, filled), (right, empty). Box 6: (up, empty), (down, filled), (left, empty), (right, filled). The sequence repeats every two boxes.



The answer options are six boxes, each containing four shapes arranged in a 2x2 grid. The shapes are: a triangle (pointing up or down), a circle (filled or empty), a square (pointing left or right), and a diamond (filled or empty). The options are as follows: Option 1: (up, filled), (down, empty), (left, filled), (right, empty). Option 2: (up, empty), (down, filled), (left, empty), (right, filled). Option 3: (up, filled), (down, empty), (left, filled), (right, empty). Option 4: (up, empty), (down, filled), (left, empty), (right, filled). Option 5: (up, filled), (down, empty), (left, filled), (right, empty). Option 6: (up, empty), (down, filled), (left, empty), (right, filled).

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Question 1 of 20  00:16:56

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### GSE Abstract Reasoning Test

Question 7 of 16  00:13:55



Below the grid are six options, each in a square with a radio button:

- ☐ A square with a diagonal line from top-left to bottom-right. The top-left quadrant contains a circle with a dot, the top-right quadrant contains a triangle with a dot, the bottom-left quadrant contains a circle with a dot, and the bottom-right quadrant contains a triangle with a dot.
- ☐ A square with a diagonal line from top-left to bottom-right. The top-left quadrant contains a circle with a dot, the top-right quadrant contains a triangle with a dot, the bottom-left quadrant contains a circle with a dot, and the bottom-right quadrant contains a triangle with a dot.
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### GSE Verbal Reasoning Test

Question 1 of 20  00:16:56

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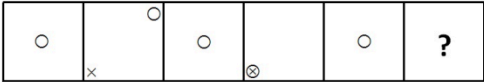
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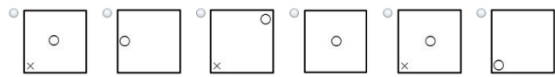
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### GSE Abstract Reasoning Test

Question 8 of 16  00:13:43





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Question 1 of 20  00:16:56

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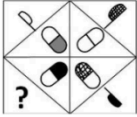
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### GSE Abstract Reasoning Test

Question 11 of 16  00:12:41



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Question 1 of 20  00:16:56

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### GSE Abstract Reasoning Test

Question 12 of 16  00:12:15





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### GSE Verbal Reasoning Test

Question 1 of 20  00:16:56

Highly intelligent creatures, dolphins communicate with each other almost constantly. Although dolphins do not have their own language, experiments show that they can be taught to understand human sign language. Produced in the dolphin's respiratory system, high-pitched whistles are used to raise alarm or convey emotional states. Every dolphin has a unique whistle, developed early in life. While some researchers believe that signature whistles enable individual dolphins to identify each other, other scientists posit that the whistles simply alert other dolphins to their presence. Researchers have observed dolphins imitating each others' whistles – suggesting that these creatures may be capable of vocal learning. Dolphins also emit a range of clicks, which emanate from the top of their head. Not only a method of sonar communication, these clicks also play a key role in hunting and navigation. The high-frequency clicks travel through the water and bounce off objects. The returning echo from the sound pulses allows a dolphin to judge the object's distance and density with a high degree of accuracy. Scientists remain uncertain exactly how dolphin echolocation works, with one theory being that they perceive the echo in their lower jaw. Bats use a similar echolocation tool to navigate.

Which two of these statements must be true?

[A] ☐ Dolphins produce two types of sounds for the purposes of communication

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[D] ☐ Dolphins do not vocalize exclusively for reasons of communication

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### GSE Abstract Reasoning Test

Question 13 of 16  00:12:04

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### GSE Abstract Reasoning Test

Question 14 of 16  00:11:54



The diagram shows a 2x2 grid of squares. Each square is divided into four quadrants by a diagonal line from the top-left to the bottom-right. The top-left quadrant contains a vertical line with an arrow pointing up. The top-right quadrant contains a circle with a cross inside. The bottom-left quadrant contains a vertical line with an arrow pointing down. The bottom-right quadrant contains a horizontal line with an arrow pointing right. The top-right square has a question mark in its top-right quadrant.

Options:

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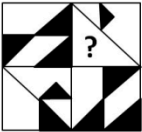
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### GSE Abstract Reasoning Test

Question 15 of 16  00:11:27



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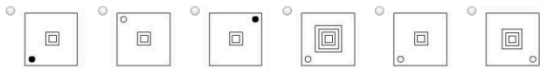
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### GSE Abstract Reasoning Test

Question 16 of 16  00:11:17





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### GSE Verbal Reasoning Test

Question 1 of 20  00:16:56

Widely considered the world's most illustrious prizes, the Nobel Prizes are awarded annually to recognize outstanding achievements in the fields of physics, chemistry, physiology or medicine, literature, and peace. First given in 1901, the prizes were established in the will of Alfred Nobel, a wealthy Swedish chemist who invented dynamite. In 1969, a new prize in economic science was established by the Bank of Sweden. The Nobel Foundation manages the administration and finances of the Nobel Prize, overseeing a fund valued at approximately \$560 million. Since Norway's independence from Sweden in 1905, the Prizes' judging, carried out by committees of experts, has been shared between the two nations. The choice of Nobel laureates has often been contentious. The Nobel Prize for Literature, in particular, has been criticised for its Eurocentric focus. The Nobel Prize cannot be awarded posthumously, and thus some influential figures such as Mahatma Gandhi have never received the accolade. Because the science prizes typically commend discoveries that have stood the test of time, notable scientists have failed to win because their death preceded recognition of their work's importance. Another rule, which limits all but the Peace Prize to a maximum of three people, is criticised for excluding some contributors when a team has made a discovery

Which two of these statements must be true?

[A] ☐ Some critics argue that the Nobel Prize in Literature is biased.

[B] ☐ The main controversy surrounding the Nobel Prize is the prohibition of posthumous awards.

[C] ☐ There is often a time lag between a scientific discovery and the awarding of a Nobel Prize

[D] ☐ The Nobel Foundation is responsible for the selection of laureates

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### GSE Verbal Reasoning Test

Question 2 of 20  00:16:43

Widely considered the world's most illustrious prizes, the Nobel Prizes are awarded annually to recognize outstanding achievements in the fields of physics, chemistry, physiology or medicine, literature, and peace. First given in 1901, the prizes were established in the will of Alfred Nobel, a wealthy Swedish chemist who invented dynamite. In 1969, a new prize in economic science was established by the Bank of Sweden. The Nobel Foundation manages the administration and finances of the Nobel Prize, overseeing a fund valued at approximately \$560 million. Since Norway's independence from Sweden in 1905, the Prizes' judging, carried out by committees of experts, has been shared between the two nations. The choice of Nobel laureates has often been contentious. The Nobel Prize for Literature, in particular, has been criticised for its Eurocentric focus. The Nobel Prize cannot be awarded posthumously, and thus some influential figures such as Mahatma Gandhi have never received the accolade. Because the science prizes typically commend discoveries that have stood the test of time, notable scientists have failed to win because their death preceded recognition of their work's importance. Another rule, which limits all but the Peace Prize to a maximum of three people, is criticised for excluding some contributors when a team has made a discovery

Which two of these statements must be true?

[A] ☐ Some commentators believe that the Nobel Prize should recognize achievements posthumously  
[B] ☐ In the first four years of the Prize's history, laureates were selected by Swedish judging committees  
[C] ☐ Alfred Nobel made his fortune from his invention of dynamite  
[D] ☐ Since 1969 there has been a Nobel Prize for achievements in mathematics.

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### GSE Verbal Reasoning Test

Question 3 of 20  00:15:46

Widely considered the world's most illustrious prizes, the Nobel Prizes are awarded annually to recognize outstanding achievements in the fields of physics, chemistry, physiology or medicine, literature, and peace. First given in 1901, the prizes were established in the will of Alfred Nobel, a wealthy Swedish chemist who invented dynamite. In 1969, a new prize in economic science was established by the Bank of Sweden. The Nobel Foundation manages the administration and finances of the Nobel Prize, overseeing a fund valued at approximately \$560 million. Since Norway's independence from Sweden in 1905, the Prizes' judging, carried out by committees of experts, has been shared between the two nations. The choice of Nobel laureates has often been contentious. The Nobel Prize for Literature, in particular, has been criticised for its Eurocentric focus. The Nobel Prize cannot be awarded posthumously, and thus some influential figures such as Mahatma Gandhi have never received the accolade. Because the science prizes typically commend discoveries that have stood the test of time, notable scientists have failed to win because their death preceded recognition of their work's importance. Another rule, which limits all but the Peace Prize to a maximum of three people, is criticised for excluding some contributors when a team has made a discovery

Which two of these statements must be true?

[A] ☐ The omission of a Nobel Prize for Mahatma Gandhi is controversial

[B] ☐ The Nobel Foundation has responsibility for managing the investment of Alfred Nobel's fortune

[C] ☐ The Nobel Prize for literature recognizes the outstanding achievements of a European writer.

[D] ☐ The Nobel Prize is the most prestigious prize in the world

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### GSE Verbal Reasoning Test

Question 4 of 20  00:15:36

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Which two of these statements must be true?

[A] ☐ Alfred Nobel bequeathed his \$560 million fortune to establish prizes honouring outstanding achievements  
[B] ☐ Unlike the other Nobel Prizes, the Peace Prize can be won by more than three people  
[C] ☐ The Nobel Prizes for scientific disciplines never honour recently completed work  
[D] ☐ The Nobel Prize is sometimes criticized for failing to recognize the best candidates

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### GSE Verbal Reasoning Test

Question 5 of 28  00:15:25

Biologics, which are medical products created from living organisms or their products, are at the cutting edge of biomedical research. While the term biologics includes a wide array of medical products, such as vaccines and antitoxins, it most often refers to medications made using biological processes. Unlike chemically produced drugs, biologics are produced using biotechnologies and consist of natural materials – such as proteins, cells, and tissues – deriving from humans, animals or microorganisms. Biologics have revolutionized a number of medical disciplines, in particular rheumatology and oncology, offering pioneering treatments for previously untreatable conditions. Some experts predict that biologics will comprise half of the prescription drug market by 2020. However, the high cost of these medicines has raised pharmacoeconomic concerns – especially as many of these drugs are used to treat chronic conditions. Whereas conventional medicines have a maximum of five year's exclusivity before cheaper generic versions come to market, no such regulation exists for biologics. The generics industry wants to introduce similar regulations for biologics, and advocates believe the availability of biosimilars could result in savings of 30% for healthcare providers. Biotechnology companies, however, are arguing for a minimum twelve-year period of exclusivity, to ensure a return on their investments and provide revenue for the development of new treatments

Which two of these statements must be true?

[A] ☐ It takes longer for a biotechnology company to recoup its investment than a conventional pharmaceutical company.

[B] ☐ Biologic medicines are prescribed primarily in the fields of rheumatology and oncology

[C] ☐ A biologic is not necessarily a vaccine or antitoxin.

[D] ☐ Biologics are made using different technology than conventional medical products

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### GSE Verbal Reasoning Test

Question 6 of 20  00:15:15

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Which two of these statements must be true?

[A] ☐ Biologics have provided cures for previously untreatable conditions.

[B] ☐ Manufacturers of generic medicines want to introduce generic biosimilars.

[C] ☐ Biotechnology companies are fighting to retain a monopoly on their biologics

[D] ☐ The biotechnology industry is emphasising profit over patient well-being.

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### GSE Verbal Reasoning Test

Question 7 of 20  00:15:05

Biologics, which are medical products created from living organisms or their products, are at the cutting edge of biomedical research. While the term biologics includes a wide array of medical products, such as vaccines and antitoxins, it most often refers to medications made using biological processes. Unlike chemically produced drugs, biologics are produced using biotechnologies and consist of natural materials – such as proteins, cells, and tissues – deriving from humans, animals or microorganisms. Biologics have revolutionized a number of medical disciplines, in particular rheumatology and oncology, offering pioneering treatments for previously untreatable conditions. Some experts predict that biologics will comprise half of the prescription drug market by 2020. However, the high cost of these medicines has raised pharmacoeconomic concerns – especially as many of these drugs are used to treat chronic conditions. Whereas conventional medicines have a maximum of five year's exclusivity before cheaper generic versions come to market, no such regulation exists for biologics. The generics industry wants to introduce similar regulations for biologics, and advocates believe the availability of biosimilars could result in savings of 30% for healthcare providers. Biotechnology companies, however, are arguing for a minimum twelve-year period of exclusivity, to ensure a return on their investments and provide revenue for the development of new treatments

Which two of these statements must be true?

[A] ☐ Patients would benefit economically from the introduction of generic biologics.

[B] ☐ Twelve years represents the minimum amount of time needed for a biologic to break even

[C] ☐ Biologics have had a profound effect on the treatment available for certain diseases

[D] ☐ Biologics represent less than half of the medications prescribed today.

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### GSE Verbal Reasoning Test

Question 1 of 20  00:16:56

Highly intelligent creatures, dolphins communicate with each other almost constantly. Although dolphins do not have their own language, experiments show that they can be taught to understand human sign language. Produced in the dolphin's respiratory system, high-pitched whistles are used to raise alarm or convey emotional states. Every dolphin has a unique whistle, developed early in life. While some researchers believe that signature whistles enable individual dolphins to identify each other, other scientists posit that the whistles simply alert other dolphins to their presence. Researchers have observed dolphins imitating each others' whistles – suggesting that these creatures may be capable of vocal learning. Dolphins also emit a range of clicks, which emanate from the top of their head. Not only a method of sonar communication, these clicks also play a key role in hunting and navigation. The high-frequency clicks travel through the water and bounce off objects. The returning echo from the sound pulses allows a dolphin to judge the object's distance and density with a high degree of accuracy. Scientists remain uncertain exactly how dolphin echolocation works, with one theory being that they perceive the echo in their lower jaw. Bats use a similar echolocation tool to navigate.

Which two of these statements must be true?

[A] ☐ Dolphins produce two types of sounds for the purposes of communication

[B] ☐ A dolphin uses echolocation to communicate the location of prey to other dolphins

[C] ☐ Some scientists believe that dolphins have their own language

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### GSE Verbal Reasoning Test

Question 8 of 20  00:14:55

Biologics, which are medical products created from living organisms or their products, are at the cutting edge of biomedical research. While the term biologics includes a wide array of medical products, such as vaccines and antitoxins, it most often refers to medications made using biological processes. Unlike chemically produced drugs, biologics are produced using biotechnologies and consist of natural materials – such as proteins, cells, and tissues – deriving from humans, animals or microorganisms. Biologics have revolutionized a number of medical disciplines, in particular rheumatology and oncology, offering pioneering treatments for previously untreatable conditions. Some experts predict that biologics will comprise half of the prescription drug market by 2020. However, the high cost of these medicines has raised pharmacoeconomic concerns – especially as many of these drugs are used to treat chronic conditions. Whereas conventional medicines have a maximum of five year's exclusivity before cheaper generic versions come to market, no such regulation exists for biologics. The generics industry wants to introduce similar regulations for biologics, and advocates believe the availability of biosimilars could result in savings of 30% for healthcare providers. Biotechnology companies, however, are arguing for a minimum twelve-year period of exclusivity, to ensure a return on their investments and provide revenue for the development of new treatments

Which two of these statements must be true?

[A] ☐ Because they come from natural sources, biologics are healthier than conventional pharmaceuticals.

[B] ☐ The length of the proposed exclusivity period on biologics is a contentious issue.

[C] ☐ Critics oppose biologics on the grounds of cruelty to animals

[D] ☐ The development of a new biologic requires a high level of investment.

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### GSE Verbal Reasoning Test

Question 9 of 20  00:14:45

The International Olympics Committee (IOC) is responsible for selecting a host city seven years prior to the Games. During a rigorous selection process lasting two years, the IOC evaluates the candidate cities' proposals and their ability to finance the Games. Hosting the Olympics involves enormous expense – the 2008 Beijing Olympics, for example, cost \$43 billion. Expenditure includes the construction of stadia, infrastructure improvements, and direct operating costs, such as athlete housing and security. Proponents believe that the outlay is justifiable, as the Olympics stimulate regeneration, create jobs and increase tourism and media attention. They also bring unquantifiable benefits, such as prestige and "feel good factor". However, detractors counter that the 17-day event rarely returns a profit, typically runs over budget, and leads to higher taxes for locals. Montreal, for example, took 30 years to pay off the debt it incurred by hosting the Winter Olympics in 1976. Furthermore, state-of-the-art venues – such as Beijing's \$500 million Bird's Nest – often stand empty after the closing ceremonies finish. While the last three summer Olympics have left their host cities with huge debts, a successful Games can transform a city. Improvements made to Barcelona before the 1992 Games created an enduring tourist destination.

Which two of these statements must be true?

[A] ☐ The Olympics can lead to a long-term boost in foreign visitors.  
[B] ☐ It usually takes decades for a host city to pay off its debt.  
[C] ☐ A host city assumes fiscal responsibility for the Games  
[D] ☐ Improved infrastructure, such as the creation of athlete accommodation, is one of the benefits to the host city.

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### GSE Verbal Reasoning Test

Question 10 of 20  00:14:36

The International Olympics Committee (IOC) is responsible for selecting a host city seven years prior to the Games. During a rigorous selection process lasting two years, the IOC evaluates the candidate cities' proposals and their ability to finance the Games. Hosting the Olympics involves enormous expense – the 2008 Beijing Olympics, for example, cost \$43 billion. Expenditure includes the construction of stadia, infrastructure improvements, and direct operating costs, such as athlete housing and security. Proponents believe that the outlay is justifiable, as the Olympics stimulate regeneration, create jobs and increase tourism and media attention. They also bring unquantifiable benefits, such as prestige and "feel good factor". However, detractors counter that the 17-day event rarely returns a profit, typically runs over budget, and leads to higher taxes for locals. Montreal, for example, took 30 years to pay off the debt it incurred by hosting the Winter Olympics in 1976. Furthermore, state-of-the-art venues – such as Beijing's \$500 million Bird's Nest – often stand empty after the closing ceremonies finish. While the last three summer Olympics have left their host cities with huge debts, a successful Games can transform a city. Improvements made to Barcelona before the 1992 Games created an enduring tourist destination.

Which two of these statements must be true?

[A] ☐ The Olympics sometimes leaves the host city indebted  
[B] ☐ An Olympics' success cannot be measured by the sporting events alone  
[C] ☐ A host city is chosen two years prior to the Games by the IOC  
[D] ☐ There has not been a profitable summer Olympics since 1992

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### GSE Verbal Reasoning Test

Question 11 of 20  00:14:24

The International Olympics Committee (IOC) is responsible for selecting a host city seven years prior to the Games. During a rigorous selection process lasting two years, the IOC evaluates the candidate cities' proposals and their ability to finance the Games. Hosting the Olympics involves enormous expense – the 2008 Beijing Olympics, for example, cost \$43 billion. Expenditure includes the construction of stadia, infrastructure improvements, and direct operating costs, such as athlete housing and security. Proponents believe that the outlay is justifiable, as the Olympics stimulate regeneration, create jobs and increase tourism and media attention. They also bring unquantifiable benefits, such as prestige and "feel good factor". However, detractors counter that the 17-day event rarely returns a profit, typically runs over budget, and leads to higher taxes for locals. Montreal, for example, took 30 years to pay off the debt it incurred by hosting the Winter Olympics in 1976. Furthermore, state-of-the-art venues – such as Beijing's \$500 million Bird's Nest – often stand empty after the closing ceremonies finish. While the last three summer Olympics have left their host cities with huge debts, a successful Games can transform a city. Improvements made to Barcelona before the 1992 Games created an enduring tourist destination.

Which two of these statements must be true?

[A] ☐ The Olympics always exceeds its budget.  
[B] ☐ The Olympics results in higher taxes for some people  
[C] ☐ Despite no guarantee of profit, cities vie for the privilege of hosting the Olympics  
[D] ☐ The IOC takes into account whether potential host cities would benefit from regeneration.

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### GSE Verbal Reasoning Test

Question 1 of 20  00:16:56

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### GSE Verbal Reasoning Test

Question 12 of 20  00:14:15

The International Olympics Committee (IOC) is responsible for selecting a host city seven years prior to the Games. During a rigorous selection process lasting two years, the IOC evaluates the candidate cities' proposals and their ability to finance the Games. Hosting the Olympics involves enormous expense – the 2008 Beijing Olympics, for example, cost \$43 billion. Expenditure includes the construction of stadia, infrastructure improvements, and direct operating costs, such as athlete housing and security. Proponents believe that the outlay is justifiable, as the Olympics stimulate regeneration, create jobs and increase tourism and media attention. They also bring unquantifiable benefits, such as prestige and "feel good factor". However, detractors counter that the 17-day event rarely returns a profit, typically runs over budget, and leads to higher taxes for locals. Montreal, for example, took 30 years to pay off the debt it incurred by hosting the Winter Olympics in 1976. Furthermore, state-of-the-art venues – such as Beijing's \$500 million Bird's Nest – often stand empty after the closing ceremonies finish. While the last three summer Olympics have left their host cities with huge debts, a successful Games can transform a city. Improvements made to Barcelona before the 1992 Games created an enduring tourist destination.

Which two of these statements must be true?

[A] ☐ Some of the advantages bestowed upon the host city cannot be easily calculated.  
[B] ☐ Being an Olympics host city is a mixed blessing for the local community  
[C] ☐ The IOC's primary responsibility is the selection of the Olympics' host cities  
[D] ☐ The Games' seven-year selection process involves detailed analysis

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### GSE Verbal Reasoning Test

Question 13 of 20  00:14:07

Over ten percent of the adult population suffers from a phobia – a type of anxiety disorder characterised by an intense, irrational fear of an object or situation that interferes with the sufferer's daily life. Although experts do not fully understand the causes of phobias, research indicates that heredity and triggering events are likely factors. There are a variety of treatments available for phobia sufferers. Cognitive behavioural therapy (CBT) is a very popular, and effective, method of desensitization. This approach treats the phobia's anxiety symptoms as conditioned behaviours that can, through systematic exposure to the feared stimulus, be re-learned. CBT increases exposure to the feared object or situation very gradually, thereby modifying the patient's response and developing tolerance. A less common treatment is flooding, which uses total immersion to the feared object in order to desensitize the patient. Medication is also used to treat phobias. Monoamine oxidase inhibitors (MAOIs) are antidepressants that can be prescribed to reduce panic and improve confidence, though they can have negative side effects including weight gain. While phobias are among the most easily treated mental health problems, less than 25% of sufferers seek treatment. If untreated, phobias can exacerbate and develop into other problems, such as depression and low self-esteem.

Which two of these statements must be true?

[A] ☐ Despite the high success rates of phobia treatments, most sufferers remain untreated

[B] ☐ The majority of phobia sufferers run the risk of developing associated problems

[C] ☐ Weight gain is the main side effect caused by taking MAO inhibitors

[D] ☐ Flooding is a less effective form of therapy than CBT.

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### GSE Verbal Reasoning Test

Question 14 of 20  00:13:58

Over ten percent of the adult population suffers from a phobia – a type of anxiety disorder characterised by an intense, irrational fear of an object or situation that interferes with the sufferer's daily life. Although experts do not fully understand the causes of phobias, research indicates that heredity and triggering events are likely factors. There are a variety of treatments available for phobia sufferers. Cognitive behavioural therapy (CBT) is a very popular, and effective, method of desensitization. This approach treats the phobia's anxiety symptoms as conditioned behaviours that can, through systematic exposure to the feared stimulus, be re-learned. CBT increases exposure to the feared object or situation very gradually, thereby modifying the patient's response and developing tolerance. A less common treatment is flooding, which uses total immersion to the feared object in order to desensitize the patient. Medication is also used to treat phobias. Monoamine oxidase inhibitors (MAOIs) are antidepressants that can be prescribed to reduce panic and improve confidence, though they can have negative side effects including weight gain. While phobias are among the most easily treated mental health problems, less than 25% of sufferers seek treatment. If untreated, phobias can exacerbate and develop into other problems, such as depression and low self-esteem.

Which two of these statements must be true?

[A] ☐ Phobias do not affect 90% of the adult population  
[B] ☐ Flooding involves a high degree of exposure to the source of dread.  
[C] ☐ In CBT, patients are exposed to the feared object or situation in small increments  
[D] ☐ CBT is more effective at treating phobias than antidepressants

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### GSE Verbal Reasoning Test

Question 15 of 20  00:13:49

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Which two of these statements must be true?

[A] ☐ CBT views a phobia's symptoms as the result of conditioning  
[B] ☐ CBT is the most commonly used form of treatment for phobias  
[C] ☐ A phobia is an extreme and unrealistic fear  
[D] ☐ Research has proven that phobias are inherited.

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### GSE Verbal Reasoning Test

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### GSE Verbal Reasoning Test

Question 16 of 20  00:13:39

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Which two of these statements must be true?

[A] ☐ Both CBT and flooding involve desensitizing the phobia sufferer

[B] ☐ Phobias are among the most common form of mental health problem.

[C] ☐ In flooding, a person is gradually exposed to their source of fear

[D] ☐ A phobia can have a negative impact on a sufferer's daily life

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### GSE Verbal Reasoning Test

Question 1 of 20  00:16:56

Highly intelligent creatures, dolphins communicate with each other almost constantly. Although dolphins do not have their own language, experiments show that they can be taught to understand human sign language. Produced in the dolphin's respiratory system, high-pitched whistles are used to raise alarm or convey emotional states. Every dolphin has a unique whistle, developed early in life. While some researchers believe that signature whistles enable individual dolphins to identify each other, other scientists posit that the whistles simply alert other dolphins to their presence. Researchers have observed dolphins imitating each others' whistles – suggesting that these creatures may be capable of vocal learning. Dolphins also emit a range of clicks, which emanate from the top of their head. Not only a method of sonar communication, these clicks also play a key role in hunting and navigation. The high-frequency clicks travel through the water and bounce off objects. The returning echo from the sound pulses allows a dolphin to judge the object's distance and density with a high degree of accuracy. Scientists remain uncertain exactly how dolphin echolocation works, with one theory being that they perceive the echo in their lower jaw. Bats use a similar echolocation tool to navigate.

Which two of these statements must be true?

[A] ☐ Dolphins produce two types of sounds for the purposes of communication  
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### GSE Verbal Reasoning Test

Question 17 of 20  00:13:31

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Which two of these statements must be true?

[A] ☐ Food science is a discipline that deals with home and restaurant cooking.  
[B] ☐ An experimental style of cooking is sometimes referred to as molecular gastronomy  
[C] ☐ Molecular gastronomists sometimes chemically modify the taste of certain dishes.  
[D] ☐ Molecular gastronomy takes a theoretical approach to cooking

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### GSE Verbal Reasoning Test

Question 18 of 20  00:13:21

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Which two of these statements must be true?

[A] ☐ There are both personal and commercial applications to molecular gastronomy

[B] ☐ The term molecular gastronomy was coined by the Hungarian chef Nicholas Kurti

[C] ☐ Molecular gastronomy is the application of scientific principles to the understanding of food preparation.

[D] ☐ Molecular gastronomy is just food science on a smaller scale

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### GSE Verbal Reasoning Test

Question 19 of 20  00:13:09

Although sometimes used to describe a style of cooking, the term molecular gastronomy was first used in 1988 to describe the scientific study of cooking. Pioneered by the Hungarian physicist Nicholas Kurti, a keen amateur cook, molecular gastronomy investigates the chemical and physical changes that occur during cooking. The discipline explores culinary transformations in three areas: social, artistic and technical. The field differs from food science in that it focuses on home and restaurant cooking, rather than industrial food preparation and processing. Although molecular gastronomy is sometimes disparaged as a pseudo-science, an understanding of scientific principles can certainly improve cooking results. For example, knowing that protein and fat react differently with air can make the difference between a light, airy soufflé and one that fails to rise. Similarly, evaporation can explain why the soufflé must be heated from the bottom. Not only have molecular gastronomists appropriated lab equipment for kitchen use, they have also experimented with the use of chemical reactions to produce certain flavours. Molecular gastronomists have also analysed the molecular components of foods, discovering that complementary flavours often share an aroma molecule. This has inspired some surprising but tasty flavour combinations, such as coffee and garlic.

Which two of these statements must be true?

[A] ☐ Molecular gastronomy uses chemical substitutes instead of fresh ingredients  
[B] ☐ Molecular analysis sometimes suggests unusual flavour pairings  
[C] ☐ Practitioners of molecular gastronomy work in a lab rather than a kitchen  
[D] ☐ Home cooks can benefit from knowledge of the scientific principles behind cooking processes

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Which two of these statements must be true?

[A] ☐ Baking a soufflé involves a variety of scientific processes.  
[B] ☐ A chef must have a working knowledge of the chemistry and physics involved in cooking  
[C] ☐ Molecular gastronomy can refer to an academic discipline as well as a type of cuisine.  
[D] ☐ If two flavours work well together they have an aroma molecule in common

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### GSE Numerical Reasoning Test

Question 1 of 20  00:16:58

The chart below details the previous week's time sheets for two teams working on client accounts A to E at advertising agency Shevinshaw's Ltd.

|                       | Time spent working on client account (hours) |           |           |           |           |
|-----------------------|----------------------------------------------|-----------|-----------|-----------|-----------|
|                       | Account A                                    | Account B | Account C | Account D | Account E |
| <b>Editorial Team</b> | 150                                          | 130       | 100       | 120       | 210       |
| <b>Design Team</b>    | 125                                          | 110       | 160       | 150       | 225       |

If there were 9 members of the Design Team working on Client Account E last week, what was the average number of hours spent for each of these Design team members?

[A] ☐ 35 hours

[B] ☐ 25 hours

[C] ☐ 30 hours

[D] ☐ 20 hours

[E] ☐ 40 hours

[F] ☐ Can't tell from data

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### GSE Verbal Reasoning Test

Question 1 of 20  00:16:56

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### GSE Numerical Reasoning Test

Question 2 of 20  00:16:49

The chart below details the previous week's time sheets for two teams working on client accounts A to E at advertising agency Shevinshaw's Ltd.

|                       | Time spent working on client account (hours) |           |           |           |           |
|-----------------------|----------------------------------------------|-----------|-----------|-----------|-----------|
|                       | Account A                                    | Account B | Account C | Account D | Account E |
| <b>Editorial Team</b> | 150                                          | 130       | 100       | 120       | 210       |
| <b>Design Team</b>    | 125                                          | 110       | 160       | 150       | 225       |

If Client C is charged at £7.50 per hour for Editorial work and at £15.00 per hour for Design work, then what will Shevinshaw's Ltd charge Client C for last week's work?

[A] ☐ £900

[B] ☐ £1500

[C] ☐ £750

[D] ☐ £3150

[E] ☐ £2400

[F] ☐ £2700

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### GSE Verbal Reasoning Test

Question 1 of 20  00:16:56

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### GSE Numerical Reasoning Test

Question 3 of 20  00:16:41

The chart below details the previous week's time sheets for two teams working on client accounts A to E at advertising agency Shevinshaw's Ltd.

|                       | Time spent working on client account (hours) |           |           |           |           |
|-----------------------|----------------------------------------------|-----------|-----------|-----------|-----------|
|                       | Account A                                    | Account B | Account C | Account D | Account E |
| <b>Editorial Team</b> | 150                                          | 130       | 100       | 120       | 210       |
| <b>Design Team</b>    | 125                                          | 110       | 160       | 150       | 225       |

If the weekly summary shown is representative of the time typically spent over the course of a month (1 month = 4 weeks) then how many days (1 day = 7 working hours) does the Editorial Team spend working on Client account E over the course of 6 months?

[A] ☐ 480 days

[B] ☐ 120 days

[C] ☐ 720 days

[D] ☐ 200 days

[E] ☐ Can't tell from data

[F] ☐ 210 days

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### GSE Verbal Reasoning Test

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### GSE Numerical Reasoning Test

Question 4 of 20  00:16:31

The chart below details the previous week's time sheets for two teams working on client accounts A to E at advertising agency Shevinshaw's Ltd.

|                       | Time spent working on client account (hours) |           |           |           |           |
|-----------------------|----------------------------------------------|-----------|-----------|-----------|-----------|
|                       | Account A                                    | Account B | Account C | Account D | Account E |
| <b>Editorial Team</b> | 150                                          | 130       | 100       | 120       | 210       |
| <b>Design Team</b>    | 125                                          | 110       | 160       | 150       | 225       |

What was the total number of days spent by the Editorial team on the 5 Client accounts over the previous week (1 day = 7 working hours)?

[A] ☐ 100 days

[B] ☐ 11 days

[C] ☐ 70 days

[D] ☐ 110 days

[E] ☐ 8 days

[F] ☐ None of these

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### GSE Verbal Reasoning Test

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### GSE Numerical Reasoning Test

Question 3 of 20  00:16:21

The table below shows a metal exchange's prices for 5 precious metals. Also shown is the % price change since yesterday.

| Metal     | Today's price per troy ounce (in US \$) | % Change (since yesterday) |
|-----------|-----------------------------------------|----------------------------|
| Gold      | 1100                                    | +1%                        |
| Silver    | 21                                      | +5%                        |
| Platinum  | 1500                                    | -1%                        |
| Palladium | 500                                     | -1%                        |
| Rhodium   | 7500                                    | +150%                      |

Silver is now trading at an all time high, having increased by 75% over the last 12 months. What was the price a year ago?

[A] ☐ \$19

[B] ☐ \$12

[C] ☐ \$11

[D] ☐ \$13

[E] ☐ Can't tell from data

[F] ☐ \$17

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### GSE Verbal Reasoning Test

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### GSE Numerical Reasoning Test

Question 6 of 20  00:16:13

The table below shows a metal exchange's prices for 5 precious metals. Also shown is the % price change since yesterday.

| Metal     | Today's price per troy ounce (in US \$) | % Change (since yesterday) |
|-----------|-----------------------------------------|----------------------------|
| Gold      | 1100                                    | +1%                        |
| Silver    | 21                                      | +5%                        |
| Platinum  | 1500                                    | -1%                        |
| Palladium | 500                                     | -1%                        |
| Rhodium   | 2500                                    | +1%                        |

What is the price difference between 50 troy ounces of gold compared to platinum?

[A] ☐ \$20,000

[B] ☐ \$25,000

[C] ☐ \$2,500

[D] ☐ \$15,000

[E] ☐ \$50,000

[F] ☐ \$2,000

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Windows has blocked some startup programs  
Windows blocks programs that require permission to run when Windows starts. Click to view blocked programs.

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### GSE Verbal Reasoning Test

Question 1 of 20  00:16:56

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### GSE Numerical Reasoning Test

Question 7 of 20  00:16:04

The table below shows a metal exchange's prices for 5 precious metals. Also shown is the % price change since yesterday.

| Metal     | Today's price per troy ounce (in US \$) | % Change (since yesterday) |
|-----------|-----------------------------------------|----------------------------|
| Gold      | 1100                                    | +1%                        |
| Silver    | 21                                      | +5%                        |
| Platinum  | 1500                                    | -1%                        |
| Palladium | 500                                     | -1%                        |
| Rhodium   | 2500                                    | +150%                      |

The highest price recorded for rhodium this year was \$5000. What % difference is this from today's price (to the nearest %)?

[A] ☐ 25%

[B] ☐ 300%

[C] ☐ 10%

[D] ☐ 200%

[E] ☐ 100%

[F] ☐ 50%

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Question 1 of 20  00:16:56

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### GSE Numerical Reasoning Test

Question 8 of 20  00:15:54

The table below shows a metal exchange's prices for 5 precious metals. Also shown is the % price change since yesterday.

| Metal     | Today's price per troy ounce (in US \$) | % Change (since yesterday) |
|-----------|-----------------------------------------|----------------------------|
| Gold      | 1100                                    | +1%                        |
| Silver    | 21                                      | +5%                        |
| Platinum  | 1500                                    | -1%                        |
| Palladium | 500                                     | -1%                        |
| Rhodium   | 2500                                    | +15%                       |

If a trader bought yesterday 15 troy ounces of gold and 20 troy ounces of palladium, how much has the value of these precious metals changed?

[A] ☐ Up \$165

[B] ☐ Down \$100

[C] ☐ Up £65

[D] ☐ Up \$100

[E] ☐ None of these

[F] ☐ Down \$165

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Question 1 of 20  00:16:56

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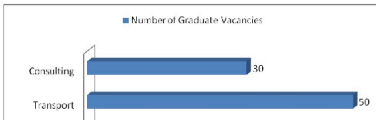
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### GSE Numerical Reasoning Test

Question 9 of 20  00:15:45

The graph shows the survey results of 25 companies drawn from the following 5 company sectors: the consulting, transport, public sector, construction and industrial sectors. The survey investigated the number of graduate vacancies across the 5 sectors that were surveyed.



| Sector     | Number of Graduate Vacancies |
|------------|------------------------------|
| Consulting | 30                           |
| Transport  | 50                           |

What is the average number of graduate vacancies across all the companies surveyed?

[A] ☐ 10

[B] ☐ 9

[C] ☐ 7

[D] ☐ 5

[E] ☐ Can't tell from data

[F] ☐ 8

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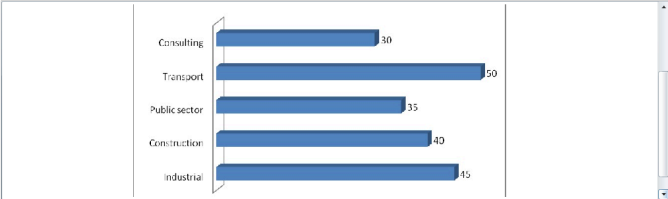
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### GSE Numerical Reasoning Test

Question 10 of 20  00:15:20



| Sector        | Percentage |
|---------------|------------|
| Consulting    | 30         |
| Transport     | 50         |
| Public sector | 35         |
| Construction  | 40         |
| Industrial    | 45         |

A fifth of the new graduate jobs in the consulting sector are unpaid internships – rather than paying the typical £28,000 salary. What is the annual graduate salary saving for those consulting firms running unpaid internships?

[A] ☐ £672,000  
[B] ☐ £67,200  
[C] ☐ £336,000  
[D] ☐ £840,000  
[E] ☐ £168,000  
[F] ☐ £84,000

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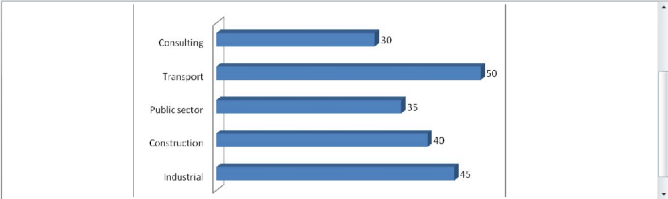
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### GSE Numerical Reasoning Test

Question 11 of 20  00:15:11



| Sector        | Value |
|---------------|-------|
| Consulting    | 30    |
| Transport     | 50    |
| Public sector | 35    |
| Construction  | 40    |
| Industrial    | 45    |

If the average starting salary in the public sector is £21,000. Then what would the total amount of graduate pay be if all public sector vacancies were filled?

[A] ☐ £735,000  
[B] ☐ £73,500  
[C] ☐ £840,000  
[D] ☐ £84,000  
[E] ☐ £525,000  
[F] ☐ Can't tell from the data

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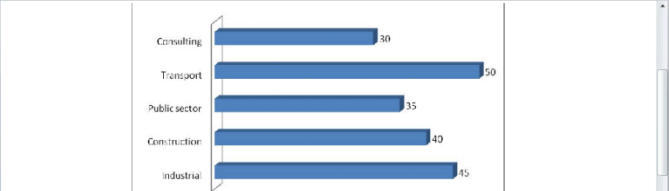
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### GSE Numerical Reasoning Test

Question 12 of 20  00:15:01



| Company Sector | Number of new graduate vacancies |
|----------------|----------------------------------|
| Consulting     | 30                               |
| Transport      | 50                               |
| Public sector  | 35                               |
| Construction   | 40                               |
| Industrial     | 45                               |

What was the average number of new graduate vacancies across the five company sectors?

[A] ☐ 30  
[B] ☐ 50  
[C] ☐ 25  
[D] ☐ 35  
[E] ☐ 40  
[F] ☐ 20

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### GSE Numerical Reasoning Test

Question 13 of 20  00:14:37

| COUNTRY     | MILES  |
|-------------|--------|
| Australia   | 40,000 |
| Philippines | 20,000 |
| Indonesia   | 60,000 |
| Brazil      | 22,000 |
| Chile       | 48,000 |

What is the difference between the longest and the second shortest coastline (in miles)?

[A] ☐ 28,000 miles  
[B] ☐ 38,000 miles  
[C] ☐ 20,000 miles  
[D] ☐ 22,000 miles  
[E] ☐ 40,000 miles  
[F] ☐ 2,800 miles

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### GSE Numerical Reasoning Test

Question 14 of 20  00:14:25

| COUNTRY     | MILES  |
|-------------|--------|
| Australia   | 40,000 |
| Philippines | 20,000 |
| Indonesia   | 60,000 |
| Brazil      | 22,000 |
| Chile       | 48,000 |

How many kilometres is the coastline of the Philippines (1 mile = 1.6 kilometres)?

[A] ☐ 26,000 kilometres  
[B] ☐ 12,500 kilometres  
[C] ☐ 16,000 kilometres  
[D] ☐ Can't tell from the data  
[E] ☐ 20,000 kilometres  
[F] ☐ 32,000 kilometres

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### GSE Verbal Reasoning Test

Question 1 of 20  00:16:56

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### GSE Numerical Reasoning Test

Question 15 of 20  00:14:16

| COUNTRY     | MILES  |
|-------------|--------|
| Australia   | 40,000 |
| Philippines | 20,000 |
| Indonesia   | 60,000 |
| Brazil      | 22,000 |
| Chile       | 48,000 |

What is the average length of coastline for the 5 countries?

[A] ☐ 41,000 miles

[B] ☐ 38,000 miles

[C] ☐ 39,000 miles

[D] ☐ 37,000 miles

[E] ☐ 42,000 miles

[F] ☐ 40,000 miles

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### GSE Numerical Reasoning Test

Question 16 of 20  00:14:08

| COUNTRY     | MILES  |
|-------------|--------|
| Australia   | 40,000 |
| Philippines | 20,000 |
| Indonesia   | 60,000 |
| Brazil      | 22,000 |
| Chile       | 48,000 |

What fraction is the coastline of Indonesia compared to Australia?

[A] ☐ 1/4  
[B] ☐ 1/2  
[C] ☐ 2/5  
[D] ☐ 2/3  
[E] ☐ 3/2  
[F] ☐ 1/3

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### GSE Numerical Reasoning Test

Question 17 of 20  00:13:58

The shop sales of 6 mobile phones are shown below; the sales achieved against target for the previous month.

| Mobile Phone | Monthly Sales Achieved (£) | Monthly Sales Target (£) |
|--------------|----------------------------|--------------------------|
| Supora       | 3820                       | 3500                     |
| Bizy         | 4250                       | 4000                     |
| Regency      | 4380                       | 4500                     |
| Gr8          | 5540                       | 6000                     |
| Sports       | 3925                       | 4000                     |
| Quiky        | 2660                       | 3000                     |

If there was a 15% VAT tax on the total phone sales for the month, how much is the VAT tax due (to the nearest £100)?

[A] ☐ £3,700

[B] ☐ £3,800

[C] ☐ £3,600

[D] ☐ None of these options

[E] ☐ £4,000

[F] ☐ £3,900

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Which two of these statements must be true?

[A] ☐ Dolphins produce two types of sounds for the purposes of communication

[B] ☐ A dolphin uses echolocation to communicate the location of prey to other dolphins

[C] ☐ Some scientists believe that dolphins have their own language

[D] ☐ Dolphins do not vocalize exclusively for reasons of communication

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### GSE Numerical Reasoning Test

Question 18 of 20  00:11:04

The shop sales of 6 mobile phones are shown below; the sales achieved against target for the previous month.

| Mobile Phone | Monthly Sales Achieved (£) | Monthly Sales Target (£) |
|--------------|----------------------------|--------------------------|
| Supora       | 3820                       | 3500                     |
| Bizy         | 4250                       | 4000                     |
| Regency      | 4380                       | 4500                     |
| Gr8          | 5540                       | 6000                     |
| Sports       | 3925                       | 4000                     |
| Quiqy        | 2660                       | 3000                     |

How much did sales exceed target for the Bizy mobile (to the nearest %)?

[A] ☐ 3%

[B] ☐ 11%

[C] ☐ 9%

[D] ☐ 10%

[E] ☐ 6%

[F] ☐ 7%

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### GSE Verbal Reasoning Test

Question 1 of 20  00:16:56

Highly intelligent creatures, dolphins communicate with each other almost constantly. Although dolphins do not have their own language, experiments show that they can be taught to understand human sign language. Produced in the dolphin's respiratory system, high-pitched whistles are used to raise alarm or convey emotional states. Every dolphin has a unique whistle, developed early in life. While some researchers believe that signature whistles enable individual dolphins to identify each other, other scientists posit that the whistles simply alert other dolphins to their presence. Researchers have observed dolphins imitating each others' whistles – suggesting that these creatures may be capable of vocal learning. Dolphins also emit a range of clicks, which emanate from the top of their head. Not only a method of sonar communication, these clicks also play a key role in hunting and navigation. The high-frequency clicks travel through the water and bounce off objects. The returning echo from the sound pulses allows a dolphin to judge the object's distance and density with a high degree of accuracy. Scientists remain uncertain exactly how dolphin echolocation works, with one theory being that they perceive the echo in their lower jaw. Bats use a similar echolocation tool to navigate.

Which two of these statements must be true?

[A] ☐ Dolphins produce two types of sounds for the purposes of communication

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### GSE Numerical Reasoning Test

Question 19 of 20  00:10:49

The shop sales of 6 mobile phones are shown below; the sales achieved against target for the previous month.

| Mobile Phone | Monthly Sales Achieved (£) | Monthly Sales Target (£) |
|--------------|----------------------------|--------------------------|
| Supora       | 3820                       | 3500                     |
| Bizy         | 4250                       | 4000                     |
| Regency      | 4380                       | 4500                     |
| Gr8          | 5540                       | 6000                     |
| Sports       | 3925                       | 4000                     |
| Quiky        | 2660                       | 3000                     |

The sales of which mobile phone were more than 10% under target?

[A] ☐ Supora

[B] ☐ Sports

[C] ☐ Gr8

[D] ☐ Quiky

[E] ☐ Bizy

[F] ☐ Regency

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### GSE Verbal Reasoning Test

Question 1 of 20  00:16:56

Highly intelligent creatures, dolphins communicate with each other almost constantly. Although dolphins do not have their own language, experiments show that they can be taught to understand human sign language. Produced in the dolphin's respiratory system, high-pitched whistles are used to raise alarm or convey emotional states. Every dolphin has a unique whistle, developed early in life. While some researchers believe that signature whistles enable individual dolphins to identify each other, other scientists posit that the whistles simply alert other dolphins to their presence. Researchers have observed dolphins imitating each others' whistles – suggesting that these creatures may be capable of vocal learning. Dolphins also emit a range of clicks, which emanate from the top of their head. Not only a method of sonar communication, these clicks also play a key role in hunting and navigation. The high-frequency clicks travel through the water and bounce off objects. The returning echo from the sound pulses allows a dolphin to judge the object's distance and density with a high degree of accuracy. Scientists remain uncertain exactly how dolphin echolocation works, with one theory being that they perceive the echo in their lower jaw. Bats use a similar echolocation tool to navigate.

Which two of these statements must be true?

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### GSE Numerical Reasoning Test

Question 20 of 20  00:10:39

The shop sales of 6 mobile phones are shown below; the sales achieved against target for the previous month.

| Mobile Phone | Monthly Sales Achieved (£) | Monthly Sales Target (£) |
|--------------|----------------------------|--------------------------|
| Supora       | 3820                       | 3500                     |
| Bizy         | 4250                       | 4000                     |
| Regency      | 4380                       | 4500                     |
| Gr8          | 5540                       | 6000                     |
| Sports       | 3925                       | 4000                     |
| Quiky        | 2660                       | 3000                     |

Which phone missed its target sales by the highest amount?

[A] ☐ Supora

[B] ☐ Sports

[C] ☐ Gr8

[D] ☐ Quiky

[E] ☐ Bizy

[F] ☐ Regency

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