

Deductive Reasoning

Free Test

Solutions Booklet

Instructions

This free deductive test comprises 11 questions and there is a time limit of 70 seconds per question.

Read the passage of information thoroughly and select the correct answer from the various options. Read the question thoroughly to ensure you know what the question entails.

There is only one correct answer per question.

Base your answers only on the information given in the passage.

The Large Silver Watch states the time as 15:50.
The Small Silver Watch displays the same time as the Gold Watch.
The Bronze Watch is small in size.
The Gold Watch is ten minutes slower than the Large Silver Watch.
The Bronze Watch is five minutes faster than the Small Silver Watch.

Q1 The Small Silver Watch displays the time as 16:00.

- a. True
- b. False**
- c. Insufficient Information

Answer: False

Explanation:

- a. Line 2 states the Small Silver Watch is the same time as the Gold Watch.
- b. Line 4 states that the Gold Watch is ten minutes slower than the Large Silver Watch.
- c. Line 1 states that the Large Silver Watch says the time is 15:50. Therefore, the small Silver Watch should display 15:40, not 16:00. Thus, this statement is false.

The Large Silver Watch states the time as 15:50.
The Small Silver Watch displays the same time as the Gold Watch.
The Bronze Watch is small in size.
The Gold Watch is ten minutes slower than the Large Silver Watch.
The Bronze Watch is five minutes faster than the Small Silver Watch.

Q2 The Bronze Watch displays the time as 15:45.

- a. True
- b. False
- c. Insufficient Information

Answer: True

Explanation:

- a. Line 1 states that the Large Silver Watch displays the time as 15:50.
- b. Line 4 states that the Gold Watch is ten minutes behind the Large Silver Watch, hence 15:40.
- c. Line 2 states that the Gold Watch has the same time as the Small Silver Watch, which line 5 states is five minutes ahead of the Bronze Watch.
- d. Therefore, the Bronze Watch is five minutes behind the Large Silver Water, displaying a time of 15:50, thus, it is true that the Bronze Watch displays the time as 15:45.

The Large Silver Watch states the time as 15:50.
The Small Silver Watch displays the same time as the Gold Watch.
The Bronze Watch is small in size.
The Gold Watch is ten minutes slower than the Large Silver Watch.
The Bronze Watch is five minutes faster than the Small Silver Watch.

Q3 The Bronze Watch is the same size as the Gold Watch.

- a. True
- b. False
- c. **Insufficient Information**

Answer: Insufficient Information

Explanation:

- a. Line 3 states that the Bronze Watch is small in size.
- b. Even though line 1 talks of a Large Silver Watch, line 2 talks of a small Silver Watch. The ambiguity of the statement, referring simply to a Silver Watch, means we cannot assess whether it is the large or the small one. Therefore, the answer is insufficient information.

The Large Silver Watch states the time as 15:50.
The Small Silver Watch displays the same time as the Gold Watch.
The Bronze Watch is small in size.
The Gold Watch is ten minutes slower than the Large Silver Watch.
The Bronze Watch is five minutes faster than the Small Silver Watch.

Q4 The Gold Watch shows the same time as the Bronze Watch.

- a. True
- b. False**
- c. Insufficient Information

Answer: False

Explanation:

- a. Line 5 states that the Bronze Watch is five minutes ahead of the small Silver Watch.
- b. Line 2 states that the small Silver Watch is the same time as the Gold Watch.
- c. Line 4 states that the Gold Watch is ten minutes behind the Large Silver Watch, which line 1 states is 15:50. Therefore, the Gold Watch is 15:40 but the Bronze is 15:45. Thus, the times are not the same and this statement is false.

Painter Sales

Name:	Kim Ramirez
Favourite Genre:	Abstract
Painting Author:	Remix

	Painting I	Painting II	Painting III	Painting IV	Painting V
Title:	Morphism	Desecrate	Remix	Instant	Fugue
Genre:	Abstract	Classical	Abstract	Modern	Classical
Price:	£10,000	£7,000	£6,000	£4,500	£17,500

Q5 The paintings in the museum are to be filed, by genre, then title, in alphabetical order. Which painting would be positioned fourth?

- a. Painting I
- b. Painting II
- c. Painting III
- d. Painting IV
- e. Painting V**

Answer: Painting V

Explanation:

- a. We have three different genre types: Abstract, Classical and Modern. Each title in their genre is then alphabetised. Therefore, the Abstract titles, Morphism and Remix are alphabetised as such.
- b. Following this, the Classical titles are alphabetised Desecrate and Fugue. Therefore, we can note the order is as follows: Morphism, Remix, Desecrate, Fugue and Instant. Thus, the painting in the fourth position is Painting V.

Painter Sales

Name:	Kim Ramirez
Favourite Genre:	Abstract
Painting Author:	Remix

	Painting I	Painting II	Painting III	Painting IV	Painting V
Title:	Morphism	Desecrate	Remix	Instant	Fugue
Genre:	Abstract	Classical	Abstract	Modern	Classical
Price:	£10,000	£7,000	£6,000	£4,500	£17,500

Q6 Kim Ramirez sold her painting and used this money to purchase Instant. How much does she have remaining from the original sale?

- a. £500
- b. £1,000
- c. **£1,500**
- d. £2,000
- e. £2,500

Answer: £1,500

Explanation:

- a. We can see that Kim Ramirez's painting is Remix, priced at £6,000. Therefore, she makes that money when sold.
- b. She then purchases Instant, priced as £4,500.
- c. Therefore, $£6,000 - £4,500 = £1,500$, which is the money Kim has left from the sale of her painting after purchasing another.

Ailment C lasts twice as long as Ailment D
Taking Medicine A halves the duration of Ailment B
Medicine C reduces the duration of Ailment D to five days
Ailment A and B last for eight days
Taking Medicine B halves the duration of Ailment A and C
Ailment B lasts half the duration as Ailment D

Q7 Taking Medicine B will reduce the duration of Ailment C by twelve days.

- a. True
- b. False**
- c. Insufficient Information

Answer: False

Explanation:

- a. Line 1 states that Ailment C lasts twice as long as Ailment D, which line 6 states is twice as long as Ailment B. Line 4 states that Ailment B lasts for 8 days.
- b. Therefore, Ailment C lasts for $8 * 2 * 2 = 32$ days.
- c. Line 5 states that Medicine B will halve the duration of Ailment C. Thus, $32 / 2 = 16$.
- d. Therefore, Medicine B will reduce the ailment duration by 16 days, not 12 and as such this statement is false.

Ailment C lasts twice as long as Ailment D
Taking Medicine A halves the duration of Ailment B
Medicine C reduces the duration of Ailment D to five days
Ailment A and B last for eight days
Taking Medicine B halves the duration of Ailment A and C
Ailment B lasts half the duration as Ailment D

Q8 Ailment D lasts for 18 days.

- a. True
- b. False**
- c. Insufficient Information

Answer: False

Explanation:

- a. Line 4 states that Ailment B lasts for eight days. Line 6 states that Ailment D lasts for twice as long as Ailment B, thus sixteen days. Therefore, this statement is false.

Ailment C lasts twice as long as Ailment D
Taking Medicine A halves the duration of Ailment B
Medicine C reduces the duration of Ailment D to five days
Ailment A and B last for eight days
Taking Medicine B halves the duration of Ailment A and C
Ailment B lasts half the duration as Ailment D

Q9 Taking Medicine C will reduce the duration of Ailment D by eleven days.

- a. **True**
- b. False
- c. Insufficient Information

Answer: True

Explanation:

- a. Line 4 states that Ailment B lasts for eight days. Line 6 states that Ailment D lasts for twice as long as Ailment B, thus sixteen days.
- b. Line 3 states that by taking Medicine C, the duration will be reduced to five days. Sixteen minus five is eleven. Therefore, this statement is true.

Ailment C lasts twice as long as Ailment D
Taking Medicine A halves the duration of Ailment B
Medicine C reduces the duration of Ailment D to five days
Ailment A and B last for eight days
Taking Medicine B halves the duration of Ailment A and C
Ailment B lasts half the duration as Ailment D

Q10 Taking appropriate Medicine, Ailment D lasts longer than Ailment A.

- a. **True**
- b. False
- c. Insufficient Information

Answer: True

Explanation:

- a. Line 4 states that Ailment A lasts for eight days. Line 6 states that Ailment D lasts for twice as long as Ailment B, thus sixteen days.
- b. Line 3 states that by taking Medicine C, the duration will be reduced to five days. Line 5 states that Medicine B will half the duration of Ailment A; $8 / 2 = 4$.

Multilateral development banks (MDBs) are international financial institutions established by a group of countries that provide financial services and professional advice in order to further economic development. MDBs generally receive donations from developed nations, often labelled foreign aid. They lend money to developing nations in the form of very long term loans below the market rate of interest and through grants.

Q11 Taking each line in the argument to be true, which statement must be demonstrably false?

- a. Developing nations will eventually pay back their loans.
- b. Loans from MDBs are below the market rate of interest.
- c. MDBs lend money as typically short-term loans.**
- d. MDBs are established as international ventures.
- e. An aim of MDBs is to provide economic development.

Answer: MDBs lend money as typically short-term loans.

Explanation:

- a. Line 3 states that MDBs lend money at 'very-long term loans'. Therefore, this statement is demonstrably false.

-- End of Test --