GIG (Global Intelligence Games) 2026-2027
University 17-23 Age Group - Sample Questions and Answers

Question 1)

QUESTION MARK

Which number will replace the question mark?

1	6	2	4
6	2	9	3
4	8	7	2
5	6	8	?

A) 1

B) 3

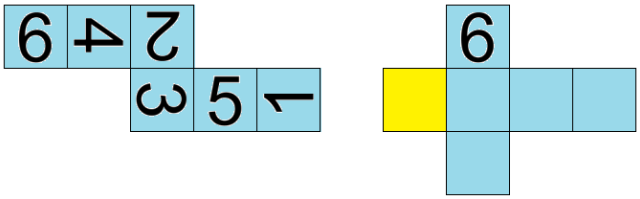
C) 4

D) 6

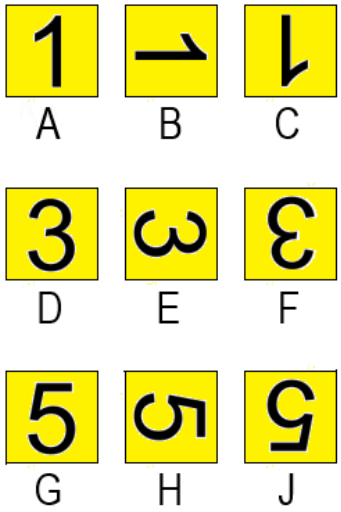
E) 7

Question 2)

Cube



Two different openings of a cube are above. Which of the following should come to the yellow square when the faces left blank on the right are properly filled?



A) B

B) C

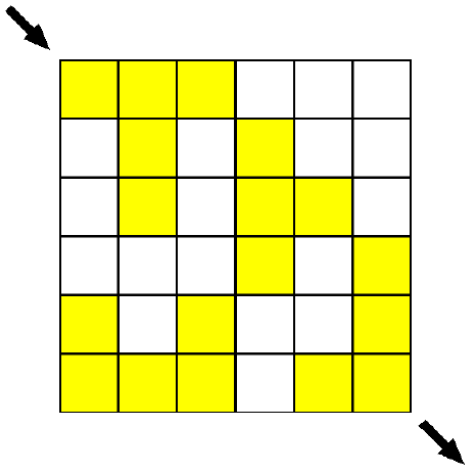
C) D

D) G

E) J

Question 3)

LAMPS



The squares with the dim lamps are shown in white, the squares with the lit lamps are shown in yellow. Whichever lamp you touch, the touched lamps and neighboring (horizontal and vertical) squares change their situation. So if it's off, it turns on, if it's on, it goes off.

Turn all the lamps on by touching the least number of lamps. If 1 is entered for the lamps that are touched along the diagonal and 0 is entered for the lamps that are not touched, which following result is obtained?

A) 1-1-0-0-1-1

B) 1-0-1-0-0-1

C) 0-0-0-1-1-0

D) 0-1-1-0-0-0

E) 0-0-1-1-0-0

Question 4)

RIGHTEOUS-WRONGERS

7 people named A, B, C, D, E, F and G are members of the "Rights" or "Wrongers" group.

-Righteous people are always right, wrongers are always wrong.

-Each group has at least 1 member.

These people, who know which group they belong to each other, make the following suggestions in turn:

A: C is a wrongers.
B: F is rights.
C: B and D are from different groups.
D: The number of wrongers is 6.
E: E and F are from different groups.
F: A and E are from the same group.
G: B and G are from different groups.

Find the groups that these 7 people belong to.

A) R-R-W-W-R-R-W

B) R-W-W-W-W-W-R

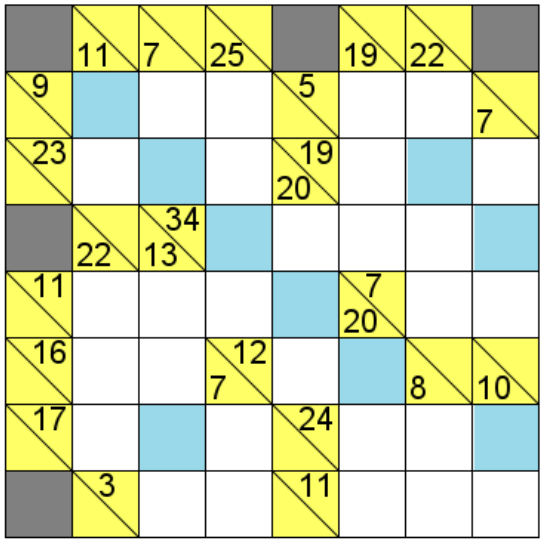
C) W-R-R-R-W-W-R

D) W-W-W-R-R-W-W

E) W-R-R-W-W-W-R

Question 5)

COLLECT-COLLECT



Obtain the sums shown in diagonal squares by placing the numbers from 1 to 9 in empty squares. The number above the diagonal gives the sum of the squares on the right, and the number below the diagonal gives the sum of the squares below itself. What is the sum of the numbers in the blue painted boxes?

Note:

-Each number will be used only once during the add up.

A) 26

B) 34

C) 39

D) 46

E) 58

Question 6)

DELETE BOX

Correct the equation by deleting one of the boxes in each of the following questions. What will be the final numbers in the equation be?

Tip: Multiplication and division are prioritized over addition and subtraction in operations.

6.A

9	×	4	−	7	=	4	−	8	+	8	1	×	3	/	3

6.B

7	/	7	+	6	/	4	+	5	=	7	×	2	5	×	2

A) 36 - 50

B) 29 - 70

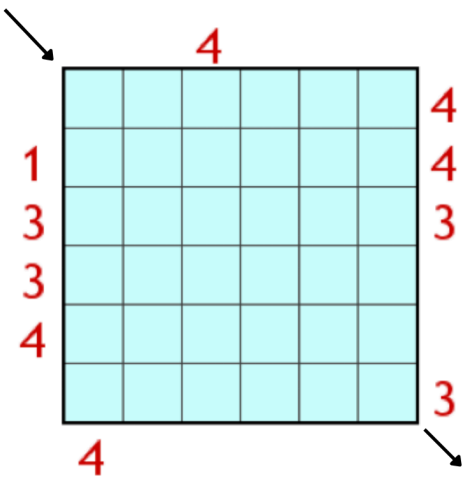
C) 94 - 57

D) 47 - 28

E) 77 - 16

Question 7)

APARTMENTS



There are 6 apartments with heights from 1 to 6 in each row and each column. Since the numbers outside the table indicate the number of apartments when viewed from that direction and that there are no two apartments with the same height in any row or column, find the heights of all apartments.

Which of the following are the numbers along the diagonal in the direction of the arrow?

A) 6-5-5-3-2-2

B) 2-3-5-4-6-2

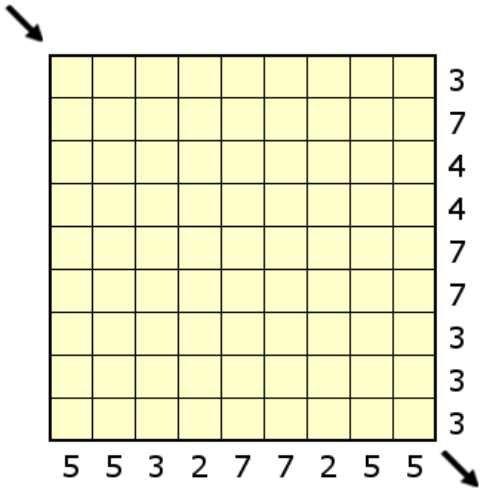
C) 1-4-4-6-3-1

D) 5-5-5-2-1-4

E) 4-3-5-5-1-3

Question 8)

TABLES



Place the rectangular tables, which are at least 2x2 in size, on the table so that they do not touch each other, even if they are diagonally. The numbers to the right and below the table show the number of table pieces in that row or column.

Enter the status of the squares (M for squares with tables, B for empty squares) along the diagonal indicated by the arrow in response.

A) B-M-B-B-M-M-B-B-B

B) M-B-M-M-B-B-B-M-M

C) B-B-B-M-M-B-B-M-M

D) B-B-M-M-M-M-M-B-B

E) M-B-B-B-B-M-M-M-B

Question 9)

A cybersecurity center has implemented an emergency protocol due to a power outage. Four officers in the cyber security center must use a single corridor to reach the secure area from the server room.

According to the information given below;

* Time for the officials to cross the corridor alone: Dr. Ahmet: 12 minutes, Engineer Beril: 8 minutes, Analyst Cemal: 4 minutes, Technician Doruk: 2 minutes

*The corridor is quite narrow; a maximum of two people can pass at the same time.

*The environment is dark and there is only one flashlight. There is no passage without a flashlight.

*The flashlight has enough capacity to illuminate two people. It is physically impossible to throw the flashlight from a distance; it must be carried across by a person.

*When two people move together, the speed of the double group is the speed of the slowest person in the group.

Accordingly, how many minutes does the entire team pass to the safe area in total?

A) 22 B) 24 C) 26 D) 28 E) 30

Question 10)

Elif, who works in a company, consumes cold tea every day during long working hours. There are 7.25 teaspoons of sugar in a 250 mL can of cold tea she bought.

The packaging label also contains the following information:

- 1 teaspoon of sugar = 4 grams
- 1 dessertspoon = 5 teaspoons
- 1 dessertspoon of sugar = 25 calories

Elif consumes 4 cans of this drink every day.

Accordingly, which of the following is the total amount of sugar (in kilograms) that Elif consumes at the end of 30 days and the total amount of calories she receives from sugar?

	Total Sugar	Total Calories
A)	3,24 kg	4 400 calories
B)	3,48 kg	4 350 calories
C)	3,60 kg	5 350 calories
D)	3,72 kg	5 480 calories
E)	3,96 kg	6 000 calories

Question 11)

A train moving from Eskişehir Train Station to Ankara Train Station is constantly traveling 135 km per hour. The average speed of another train moving from Ankara to Eskişehir at the same time is 5x km/h and the distance between the two cities is (x + 75) km.

Since the two trains met 20 minutes after they started to move at the same time, what is the speed of the train from Ankara to Eskişehir?

A) 105 B) 135 C) 175
D) 225 E) 235

Question 12)

Chief Ahmet, who works in a jewelry workshop, chooses beads from the box in his hand while preparing the orders. There are only green, red, blue and yellow beads in the box. The beads are pulled out of the box without being put back.

Chief Ahmet made the following observation with his experience over the years:

- When 26 beads are removed from the box, at least 1 green bead comes out.
- When 23 beads are removed from the box, at least 1 red bead is always removed.
- When 21 beads are removed from the box, at least 1 blue bead comes out.
- When 24 beads are removed from the box, at least 1 yellow bead is always removed.

Accordingly, what is the maximum number of beads that can be found in the box?

A) 28 B) 30 C) 54 D) 90 E) 96

Question 13)

In a research laboratory, there are three types of microorganisms that can interact with each other: Alpha, Beta and Gamma

The rules for these microorganisms to interact and transform are as follows:

- If a Beta interacts with a Gamma, it destroys Gamma and turns into Alpha.
- If an Alpha interacts with a Gamma, it destroys Gamma and turns into a Beta.
- If an Alpha interacts with a Beta, it destroys the Beta and turns into Gamma.

In each interaction, only one microorganism disappears, and the other microorganism interacting changes species according to the above rule.

Initially the laboratory container has:

- 24 Alpha
- 41 Beta
- 13 Gama

microorganisms inside.

Interactions continue until the moment no more microorganism can convert another microorganism.

Accordingly, what is the value of the number of microorganisms that can eventually remain in the laboratory?

A) 1 B) 24 C) 31 D) 37 E) 42

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Question 1) **Answer :** 4

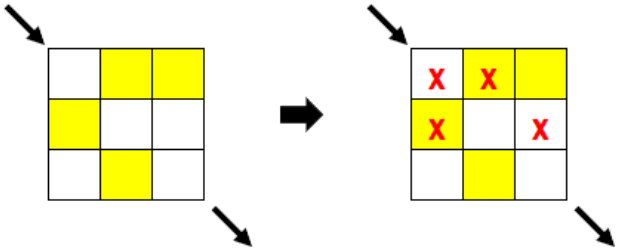
Question 2) **Answer :** J

Question 3)

As the answer, enter 1 for the squares you touch along the diagonal shown by the arrow, and 0 for the squares you do not touch.

Example:

If the question was asked for the table on the left, the solution would be the table on the right and 100 would be entered as the answer.



Answer : 011000

Question 4)

Enter your answer in the correct order from A to F by entering the letter D for the correctors and the Y for the wrongs. For example, if B and D were false and the others were correct, you would enter DYDYDD as the answer.

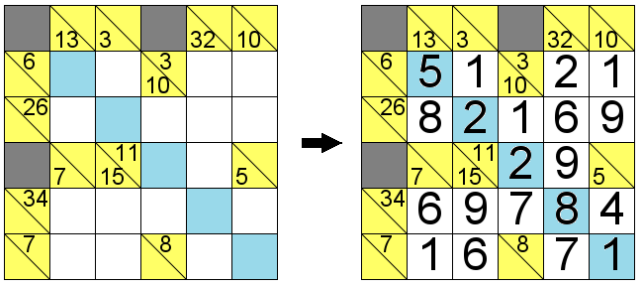
Answer : DYYYYYD

Question 5)

Enter the sum of the numbers in the blue squares as the answer.

Example:

If the question was asked for the table below, the solution would be as on the right and 18, which is the sum of the numbers 5, 2, 2, 8 and 1, would be entered as the answer.



Answer : 46

Question 6)

Enter the number that forms the equation as the answer.

Example:

If the question was asked as follows, the solution would be as the one on the right and 28 would be entered as the answer.

Answer :

6.A: 29

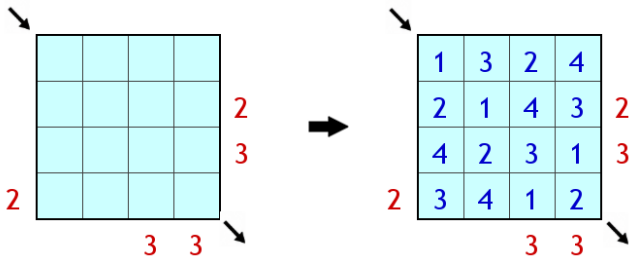
6.B: 70

Question 7)

Enter the numbers in the diagonal indicated by the arrow as the answer in order and without leaving a space between them.

Example:

If the question had been asked as follows for 4 apartments, the solution would have been the table on the right and 1132 would have been entered as the answer.



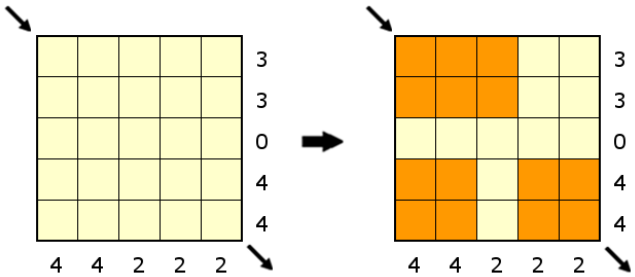
Answer : 555214

Question 8)

Enter the status of the squares (M for squares with tables, B for empty squares) along the diagonal indicated by the arrow in response.

Example:

If the question was asked as follows, the solution would be the table on the right and MMBMM would be entered as the answer.



Answer : BMBBMMBBB

Question 9)

Answer : 26

In order to get the entire team across as soon as possible, the two fastest people (Doruk and Cemal) must act as the flashlight carriers, and the slowest two people (Ahmet and Beril) must cross the corridor together to minimize the loss of time.

The most optimal transition strategy is step by step:

1. Step: The fastest Technician Doruk (2 min) and Analyst Cemal (4 min) cross.

Last time: 4 minutes (Fener is on the opposite side, Doruk and Cemal are opposite).

2. Step: To bring the flashlight back, the fastest Technician Peak (2 min) returns to the starting point.

Elapsed time: 2 minutes (Total: 4 + 2 = 6 minutes, Fener at the beginning).

3. Step: The two slowest people in the group, Dr. Ahmet (12 min) and Engineer Beril (8 min) cross together. Since the speed of the double group is the speed of the slowest person, this transition lasts as long as Ahmet's time.

Last time: 12 minutes (Total: 6 + 12 = 18 minutes, Fener on the opposite side, Ahmet and Beril opposite).

4. Step: Analyst Cemal (4 min), who is left with a flashlight on the other side, returns to the starting point to bring the flashlight back.

Elapsed time: 4 minutes (Total: 18 + 4 = 22 minutes, Fener at the beginning).

5. Step: Technician Doruk (2 min) and Analyst Cemal (4 min) cross together for the last time.

Time: 4 minutes (Total: 22 + 4 = 26 minutes, the whole team is in the safe area).

Total Time Calculation

4 + 2 + 12 + 4 + 4 = 26 minutes

Question 10)

Answer : B

Step 1: Let's calculate the amount of sugar (grams) in a box

7.25 teaspoons×4 grams=29 grams of sugar

Step 2: Let's turn the teaspoon into a dessert spoon

1 teaspoon=5 teaspoons $\Longrightarrow$ 7,25 teaspoons = 7,25/5 = 1,45 teaspoons

Step 3: Let's calculate the calories in a box

1.45 teaspoons × 25 calories = 36.25 calories

Step 4: Let's calculate the daily consumption (4 boxes/day)

Daily sugar = 29 × 4 = 116 grams

Daily calories = 36.25 × 4 = 145 calories

Step 5: Let's calculate the 30-day total

Total sugar = 116 × 30 = 3,480 grams = 3,48 kg

Total calories = 145 × 30 = 4,350 calories

What Elif consumed at the end of 30 days:

Total amount of sugar: 3,48 kg

Total amount of calories from sugar: 4,350 calories

Question 11)

Answer : 225

135.1/3+5x.1/3 = x + 75
135.1/3+5x.1/3 = (3.x + 225).1/3
135 + 5x = 3.x + 225
5.x – 3.x = 225 – 135
2.x = 90
X = 45

Speed of the train from Ankara to Eskisehir:

5.x = 5 . 45 = 225 km/h

Question 12)

Answer : 30

In order to guarantee that at least 1 piece is drawn from a color, in the worst case, all other beads except that color must be drawn and the next bead drawn must be the desired color.

According to this rule, let's convert the given information into mathematical equations:

Number of green beads = Y, Number of red beads = K

Let the number of blue beads = M, the number of yellow beads = S and the total number of beads T

For green (26 draws): The total number of beads other than green is 26 - 1 = 25.

K + M + S = 25

For red (23 draws): The total number of other beads other than red is 23 - 1 = 22.

Y + M + S = 22

For blue (21 draws): The total number of beads other than blue is 21 - 1 = 20.

Y+K+S=20

For yellow (24 draws): The total number of other beads other than yellow is 24 - 1 = 23.

Y+K+M=23

Calculation of Total Number of Beads

Let's collect these four equations we wrote side by side:

(K + M + S) + (Y + M + S) + (Y + K + S) + (Y + K + M) = 25 + 22 + 20 + 23

3.(Y + K + M + S) = 90

Y+K+M+S=30

Question 13)

Answer : 1