

**GIG (Global Intelligence Games) 2026-2027
GRADES 11-12 GROUP - SAMPLE QUESTIONS AND ANSWERS**

Question 1)

QUESTION MARK

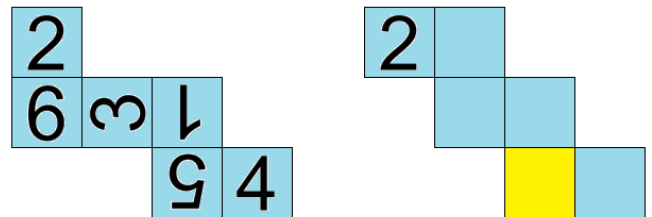
Which number will replace the question mark?

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

- A) 2
- B) 3
- C) 4
- D) 5
- 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 C D



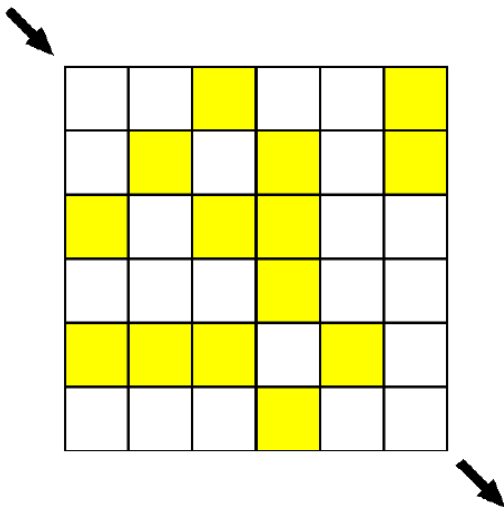
E F G H

- A) H
- B) G
- C) F
- D) B
- E) A

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GRADES 11-12 GROUP - SAMPLE QUESTIONS AND ANSWERS**

Question 3)

LAMPS



Squares with unlit lamps are shown in white, while squares with lit lamps are shown in yellow. When you touch a lamp, that lamp and the lamps in the adjacent (horizontal and vertical) squares change their state—that is, an unlit lamp turns on, and a lit lamp turns off.

Turn on all the lamps by touching the minimum number of lamps. If we assign a value of 1 to the lamps you touch and 0 to those you do not, which of the following sequences do we obtain along the diagonal in the direction of the arrow?

- A) 100001
- B) 000100
- C) 100010
- D) 011001
- E) 001001

Question 4)

RIGHTEOUS-WRONGERS

Six individuals—A, B, C, D, E, and F—belong to either the "Truth-tellers" group or the "Liar" group.

- Truth-tellers always speak the truth, while Liars always speak falsely.
- Each group has at least one member.

Knowing which group the others belong to, these individuals make the following statements in turn:

- A: B and E belong to different groups.
- B: D and E belong to the same group.
- C: A and E belong to different groups.
- D: The number of Liars is 3.
- E: F is a Liar.
- F: B and F belong to the same group.

Determine the groups to which these six individuals belong.

- A) T-T-L-L-L-T
- B) L-T-T-T-L-L
- C) T-T-T-L-L-T
- D) L-L-L-T-T-L
- E) T-L-T-T-L-L

GIG (Global Intelligence Games) 2026-2027
GRADES 11-12 GROUP - SAMPLE QUESTIONS AND ANSWERS

Question 5)

COLLECT-COLLECT

	15	21	11		35	9
12				7		
22				15		
	3			9		
10	16		12	14		
22			13			10
	15			17		

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 obtained along the blue painted diagonal?

Note:

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

- A) 19
- B) 23
- C) 29
- D) 32
- E) 44

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

$$4 + 17 = 49 - 5 \times 4 + 3 - 7$$

6.B

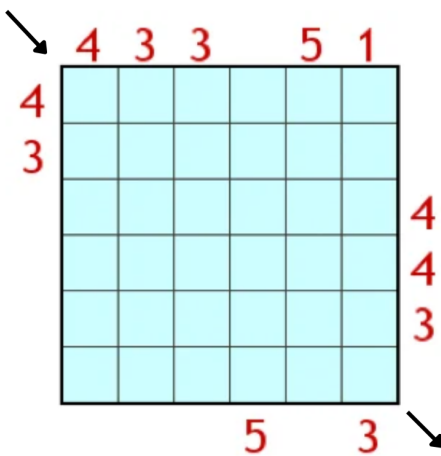
$$3 - 2 + 6 + 5 - 6 = 61 + 29$$

- A) 17 - 29
- B) 25 - 35
- C) 47-12
- D) 41- 61
- E) 21- 63

GIG (Global Intelligence Games) 2026-2027
GRADES 11-12 GROUP - SAMPLE QUESTIONS AND ANSWERS

Question 7)

APARTMENTS



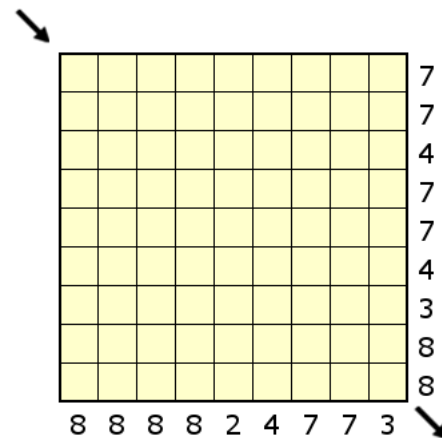
There are 6 apartments with heights from 1 to 6 in each row and each column. Since the numbers outside the table indicate the number of apartments when viewed from that direction and that there are no two apartments with the same height in any row or column, find the heights of all apartments.

Which of the following are the values you find along the diagonal in the direction of the arrow?

- A) 1-2-6-3-5-4
- B) 2-3-5-4-6-1
- C) 3-4-6-5-1-2
- D) 6-4-6-3-2-3
- E) 5-4-3-1-3-2

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-B-B-B-M-M-B-M-M
- B) B-M-M-M-B-B-M-M-B
- C) M-M-M-M-B-B-M-M-M
- D) B-B-B-B-B-M-M-M-B
- E) M-M-M-B-B-B-B-B-M

GIG (Global Intelligence Games) 2026-2027
GRADES 11-12 GROUP - SAMPLE QUESTIONS AND ANSWERS

Question 9)

$\sqrt{4a+1} - \frac{27}{\sqrt{4a+1}} = 6$ Which of the following can be the integer value that a can take?

- A) -20 B) 5 C) 10 D) 15 E) 20

Question 10)

$2026^2 - 2025^2 + 2024^2 - 2023^2 + 2022^2 - 2021^2 + \dots + 2004^2 - 2003^2 + 2002^2 - 2001^2$ What is the result of the operation?

- A) 26 B) 52 C) 52351
D) 104702 E) 209404

Question 11)

Can, who runs a technology store, buys a second-hand gaming computer for \$12,000 to use his budget. Taking advantage of the increase in the prices of video cards in the market, Can sells the computer to a customer for \$17,500.

But a month later, he needs the same computer again for other jobs in the store. Seeing that market prices have risen, he had to buy the same computer he sold before by paying \$21,000 this time.

After receiving the computer back, Can ends this exchange by selling the device to another customer for \$28,500 with no additional cost.

Consequently, what is the total net profit that Can obtains from these commercial transactions?

- A) 9.500 \$
B) 13.000 \$
C) 14.500 \$
D) 15.000 \$
E) 16.000 \$

GIG (Global Intelligence Games) 2026-2027
GRADES 11-12 GROUP - SAMPLE QUESTIONS AND ANSWERS

Question 12)

Success rankings are made according to the annual performance scores of six software developers (Tolga, Reyhan, Pelin, Deniz, Elif and Fatih) working in a technology company.

The following information about this ranking is known:

- Deniz has a higher performance score than Fatih.
- Pelin has a lower performance score than Tolga.
- Elif has a higher performance score than Reyhan but lower than Fatih.
- Reyhan has a lower performance score than Tolga but higher than Pelin.
- Tolga has a lower performance score than Fatih.
- Elif has a higher performance score than Tolga.

Accordingly, who is the 3rd person with the highest performance score in the company?

- A) Elif B) Tolga
- C) Deniz D) Reyhan E) Fatih

Question 13)

Deniz wants to buy a professional camera lens online from abroad. The price of the lens is determined as 140,000 Japanese Yen (JPY) in Tokyo (Japan) and 950 Euros (EUR) in Paris (France).

The current values of the exchange rates used are as follows:

$$1 \text{ JPY} = 0.28 \text{ TL}$$

$$1 \text{ EUR} = 53.80 \text{ TL}$$

When comparing the cost of the sea lens in both cities in Turkish Lira (TL), he will prefer the cheaper city. Accordingly, which of the following options is the price difference between Deniz's preferred city and the two cities?

- A) Tokyo is 11,910 TL cheaper than Paris.
B) Paris is 9,540 TL cheaper than Tokyo
C) Tokyo is 12,310 TL cheaper than Paris
D) Paris is 8,420 TL cheaper than Tokyo
E) Tokyo is 14,150 TL cheaper than Paris

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GRADES 11-12 GROUP - SAMPLE QUESTIONS AND ANSWERS

GRADES 11-12 GROUP - SAMPLE QUESTION ANSWERS

Question 1) CEVAP : 2

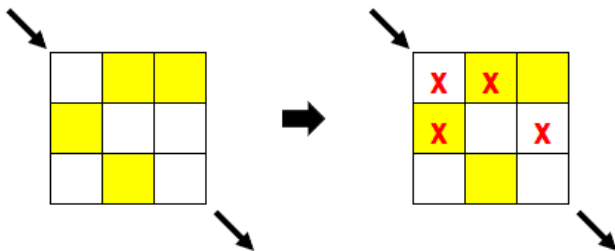
Question 2) CEVAP : F

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 : 100010

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 : DDDYYD

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.

	13	3		32	10
6			3		
26			10		
	7	11			5
34		15			
7			8		

→

	13	3		32	10
6	5	1	3	2	1
26	8	2	10	6	9
	7	11	2	9	5
34	6	9	7	8	4
7	1	6	8	7	1

Answer : 32

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.

$$3 / 9 \ 4 - 6 = 7 \times 4 / 1 \quad \rightarrow \quad 3 \ 4 - 6 = 7 \times 4 / 1 \rightarrow 28 = 28$$

Answer :

6.A: 21

6.B: 63

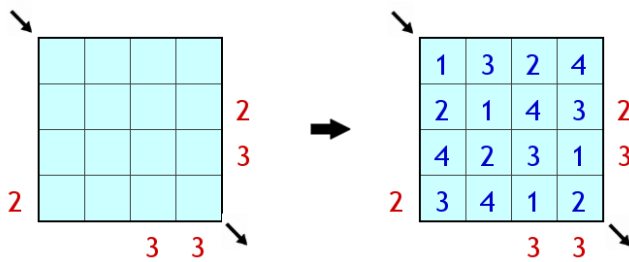
**GIG (Global Intelligence Games) 2026-2027
GRADES 11-12 GROUP - SAMPLE QUESTIONS AND ANSWERS**

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.



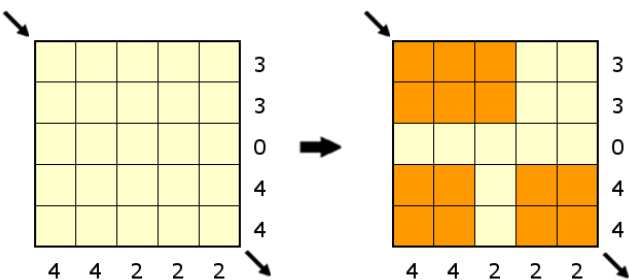
Answer : 126354

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 : MMBBMM

Question 9)

Answer : 20

$$\sqrt{4a+1} - \frac{27}{\sqrt{4a+1}} = 6$$

$$\sqrt{4a+1} = x \text{ Let it be}$$

$$x - \frac{27}{x} = 6$$

$$\frac{x^2}{x} - \frac{27}{x} = 6$$

$$x^2 - 6x - 27 = 0$$

$$(x-9)(x+3) = 0$$

X=9 ve X=-3

$$\sqrt{4a+1} = -3 \text{ Not possibly}$$

$$\sqrt{4a+1} = 9$$

$$4.a+1= 81$$

$$4.a=80$$

$$a= 20$$

GIG (Global Intelligence Games) 2026-2027 GRADES 11-12 GROUP - SAMPLE QUESTIONS AND ANSWERS

Question 10)

Answer : 52351

$$(2026^2-2025^2)+(2024^2-2023^2)+(2022^2-2021^2).....$$

$$(2004^2-2003^2)+(2002^2-2001^2)$$

$$(2026-2025)(2026+2025) + (2024-2023)(2024 + 2023)$$

$$+(2002-2001)(2002+2001)$$

$$1.4051 + 1.4047 + 1 . 4043 + 1. 4039.....1. 4007$$

$$+ 1 . 4003$$

$$4051 + 4047 + 4043 + 4039+4007 + 4003$$

$$\frac{4051 - 4003}{4} + 1 = 13$$

$$= \frac{(4051 + 4003) \cdot 13}{2} = 52351$$

Question 11)

Answer : 13.000 \$

First trading profit:

$$17.500 - 12,000 = \$5,500$$

Second trading profit:

$$28,500 - 21,000 = \$7,500$$

• **Total net profit: 5,500 + 7,500 = \$13,000**

Question 12)

Answer : ELİF

Chain of tips:

Pelin < Reyhan < Tolga (article 2 + 4)

Tolga < Fatih (article 5)

Fatih < Deniz (article 1)

Reyhan < Elif < Fatih (article 3)

Tolga < Elif (article 6)

Combined full sort:

Pelin < Reyhan < Tolga < Elif < Fatih < Deniz

3rd person with the highest performance score: Elif

Answer: A) Elif

Question 13)

ANSWER: IT IS 11910 TL CHEAPER THAN TOKYO PARIS.

Let's convert the Tokyo price to TL

$$140,000 \text{ JPY} \times 0,28 \text{ TL} = 39.200 \text{ TL}$$

Let's convert the price of Paris to TL

$$950 \text{ EUR} \times 53,80 \text{ TL} = 51.110 \text{ TL}$$

Let's Compare

$$51.110 - 39.200 = 11.910 \text{ TL}$$

Tokyo price 39.200 TL

Since the price of Paris is 51,110 TL:

Answer: A) Tokyo is 11,910 TL cheaper than Paris.