

**GIG (Global Intelligence Games) 2026-2027
GRADES 7-8 GROUP - SAMPLE QUESTIONS AND ANSWERS**

Question 1)

QUESTION MARK

Which number will replace the question mark?

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

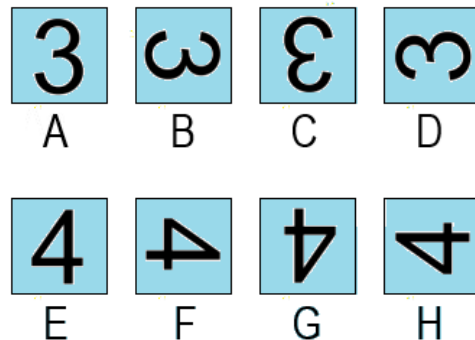
- A) 2
- B) 4
- C) 5
- D) 7

Question 2)

Cube



Three different views of a cube are above. Which of the following should come to the blank?

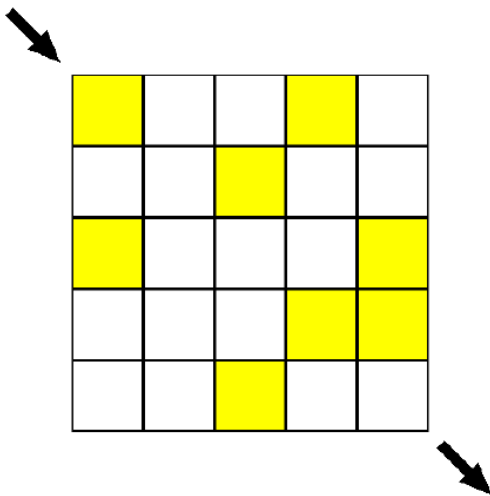


- A) A
- B) B
- C) F
- D) H

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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) 1-0-0-0-0
- B) 0-0-1-0-1
- C) 0-0-0-1-0
- D) 1-1-0-0-1

Question 4)

RIGHTEOUS-WRONGERS

5 people named A, B, C, D and E are members of the "Rights" or "Wrongs" 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: A and C are from different groups.
- B: A is wrong.
- C: A and E are from the same group.
- D: B and C are from the same group.
- E: The number of correctors is 3.

Find the groups these 5 people belong to.

- A) R-W-W-R-W
- B) W-R-R-W-R
- C) R-W-R-W-W
- D) W-W-W-R-R

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Question 5)

COLLECT-COLLECT

	7	16		30	8
4			10		
34			23		
	11				
16	10				12
15			16		

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 colored diagonal?

Note:

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

- A) 18
- B) 26
- C) 32
- D) 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

$$7 + 2 = 9 + 7 + 1 - 7 \times 8$$

6.B

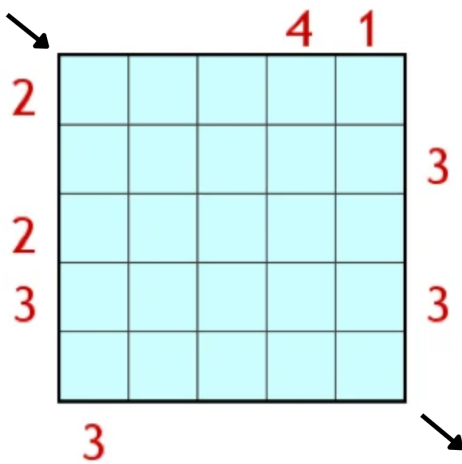
$$7 \times 2 \ 9 \times 5 \ / \ 5 = 3 \ 2 \times 7$$

- A) 7 - 14
- B) 9 - 14
- C) 9 - 29
- D) 2 - 63

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Question 7)

APARTMENTS

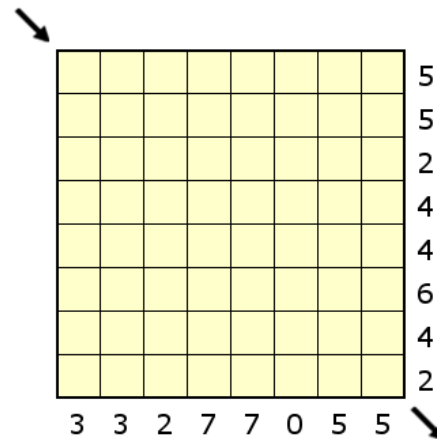


There are 5 apartments with heights from 1 to 5 in each row and each column. Since the numbers outside the table indicate the number of apartments when viewed from that direction and that there are no two apartments with the same height in any row or column, find the heights of all apartments. Which of the following are the numbers on the diagonal marked with an arrow?

- A) 4-1-2-3-4
- B) 4-3-3-2-1
- C) 2-3-3-4-3
- D) 4-2-2-3-1

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

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Question 9)



The mechanical door guarding a secret chamber inside an ancient Egyptian pyramid opens with a three-digit code. To decipher the code, the archaeologist Arda discovered the following mathematical information on hieroglyphic tablets:

- *The number is not divisible by 2 or 5.
- *All the digits of the number are distinct.
- *The digit in the hundreds place is 2 less than the digit in the ones place.
- *The digit in the tens place is equal to half the sum of the digits in the hundreds and ones places.

Based on this, which of the following is the secret code that will open the pyramid door?

- A) 133
- B) 421
- C) 567
- D) 963

Question 10)



The teacher assigns students named Ali, Burcu, Ceren, and Deniz to arrange the books in the classroom library. The teacher explains the order in which each student will perform the task as follows:

Ali arranged the books after Burcu.

Ceren performed the task before Deniz.

Ceren arranged the books after Burcu.

Based on this information, in what order did the students complete their tasks?

- A) Ali, Ceren, Deniz, Burcu
- B) Ali, Deniz, Ceren, Burcu
- C) Deniz, Burcu, Ali, Ceren
- D) Burcu, Ali, Ceren, Deniz

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Question 11)



Classmates Defne, Ece, Kerem and Mert are planning for the birthday party. These classmates were born on April 5, June 12, May 5 and April 28, in different months or days.

Their teachers give the following information to find out who will celebrate these dates:

Ece and Kerem were born in the same month.

Defne and Kerem's birthdays contain the same number.

According to this information, who is the student born on May 5?

- A) Defne B) Ece C) Kerem D) Mert

Question 12)

Kerem manages two different software teams for his project in the technology company. There are 54 software developers in the Mobile Software Team and 18 software developers in the Web Software Team. Due to its growth strategy, the company includes 2 new software developers in the Mobile Software Team and 8 new developers in the Web Software Team every week.

While the company management continues the growth process, in the week when the number of software developers in the two teams is equal, what will be the total number of software developers managed by Kerem?

- A) 120 B) 132 C) 168 D) 192

Question 13)

The left foot of all bears living in Paten Town is 2 size larger than the right foot. For this reason, each bear needs two skates with a 2 size difference for his right and left foot.

For example, a bear whose right foot size is 30, has a left foot size of 32. The skates that this bear will use must be 30 and 32.

Every bear in town buys a pair of skates. Then all the skates are collected in a common pool and the bears exchange their skates to form pairs of skates that fit their own feet.

At the end of the sharing, each month received two skates that fit his right and left foot. However, there was one size 24 and one size 36 left over in the shared pool.

Bears want to complete the sharing in such a way that they can use these two left over skates through exchange.

Accordingly, what is the minimum number of bears this group must contain size 24 through size 36 skates be shared in this chain-like manner?

- A) 5
- B) 6
- C) 7
- D) 8

**GRADES 7-8 GROUP - SAMPLE QUESTION
ANSWERS**

Question 1) Answer : 2

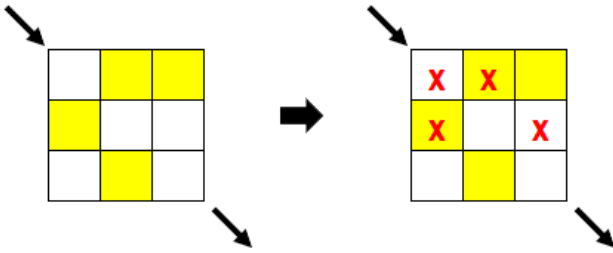
Question 2) Answer : B

Question 3)

Cevap olarak okla gösterilen köşegen boyunca dokunduğunuz kareler için 1, dokunmadığınız kareler için 0 giriniz.

Örnek:

Soru soldaki tablo için sorulsaydı çözüm sağdaki tablo olacaktı ve cevap olarak 100 girilecekti.



Answer : 00010

Question 4)

Cevabınızı doğrucular için D, yanlışlar için Y harfi girerek, A'dan E'ye doğru sırayla giriniz. Örneğin B ve D yanlış, diğerleri doğrucu olsaydı cevap olarak DYYD girecektiniz.

Answer: DYYDY

Question 5)

Cevap olarak mavi karelerdeki sayıların toplamını giriniz.

Örnek:

Soru aşağıdaki tablo için sorulsaydı çözüm sağdaki gibi olacaktı ve cevap olarak 5, 2, 2, 8 ve 1 sayılarının toplamı olan 18 girilecekti.

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

→

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

Answer : 26

Question 6)

Cevap olarak eşitliği oluşturan sayıyı giriniz.

Örnek:

Soru aşağıdaki gibi sorulsaydı çözüm sağdaki gibi olacaktı ve cevap olarak 28 girilecekti.

$$3 / 9 / 4 - 6 = 7 \times 4 / 1 \rightarrow 34 - 6 = 7 \times 4 / 1 \rightarrow 28 = 28$$

Answer :

6.A: 9

6.B: 14

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Question 11)

ANSWER : DEFNE

1. Tip: Ece and Kerem Were Born in the Same Month

The only month with two birthdays in the same month is April

(April 5 and April 28)

If so:

Ece and Kerem→born in April

There are May 5 and June 12 left for Defne and Mert.

2. Tip: Defne and Kerem's Birthday Contains the Same Number

Since Kerem was born in April, his day is either 5 or 28.

Now let's look at Defne's history (May 5 or June 12):

If Defne = May 5: Day 5 If Kerem = April 5: Day 5

Student	Date
Kerem	5 April
Ece	28 April
Defne	5 May
Mert	12 June

Question 12)

Answer : 132

Let's say x to the elapsed time (number of weeks):

Mobile Software Team: There are 54 people at the beginning and 2 people are added each week. x number of people after the week: $54 + 2x$

Web Software Team: There are 18 people at the beginning and 8 people are added each week. number of people after x week: $18 + 8x$

In the question, it is said that the number of software developers of these two teams is equal to each other:

$$54 + 2x = 18 + 8x$$

$$54 - 18 = 8x - 2x$$

$$36 = 6x$$

$$X = 36 \div 6$$

X = 6 weeks (So after 6 weeks, the number of members of the two teams is equalized.)

Let's find out how many people are in both teams in the 6th week:

Mobile Team: $54 + 2 \cdot 6 = 66$ people

Web Team: $18 + 8 \cdot 6 = 66$ people

Total number of software developers managed by Kerem:

$$66 + 66 = 132$$

Question 13)

Answer : 6

Bear	Right Foot	Left Foot
1. Bear	24	26
2. Bear	26	28
3. Bear	28	30
4. Bear	30	32
5. Bear	32	34
6. Bear	34	36