

GIG (Global Intelligence Games) 2026-2027
GRADES 5-6 GROUP - SAMPLE QUESTIONS AND ANSWERS

Question 1)

QUESTION MARK

Which number will replace the question mark?

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

- A) 1
- B) 3
- C) 4
- D) 8

Question 2)

Cube



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

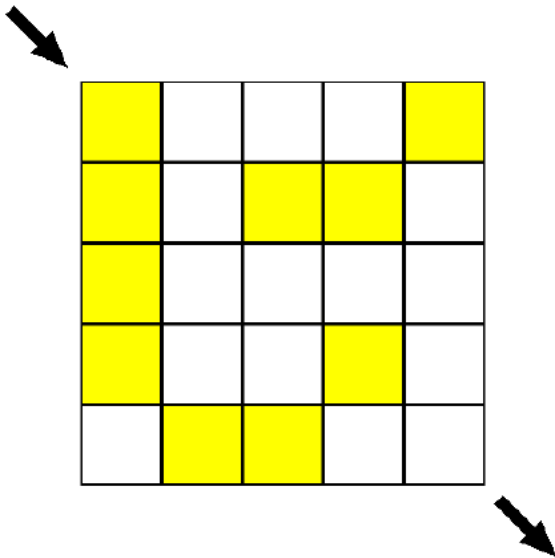


- A) B
- B) C
- C) D
- D) E

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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) 00111
- B) 01101
- C) 11001
- D) 10001

Question 4)

RIGHTEOUS-WRONGERS

5 people named A, B, C, D and E 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: The number of wrongers is 4.
- B: B and D are from different groups.
- C: The number of truthers people is 2.
- D: The number of truthers is even.
- E: B and E are from different groups.

Find the groups these 5 people belong to.

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

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Question 5)

COLLECT-COLLECT

	34	16		11	4
8			12		
			24		
17					
23					
			5		13
21					
13			13		

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. Finally, what is the sum of the numbers in blue squares?

Note:

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

- A) 18
- B) 29
- C) 31
- D) 43

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

$$3 \times 38 = 8 \times 13 + 16$$

6.B

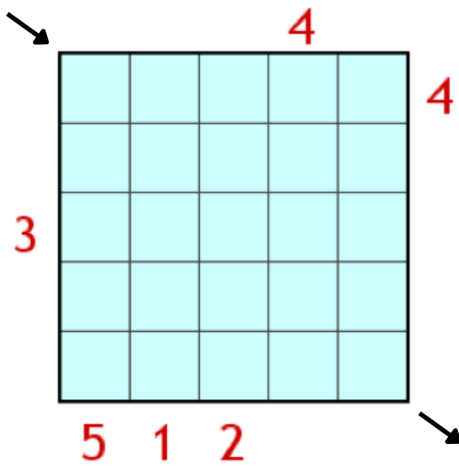
$$4 \times 9 = 4 + 6 / 9 \times 54$$

- A) 9 - 4
- B) 24 - 36
- C) 38 - 9
- D) 38 - 36

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Question 7)

APARTMENTS



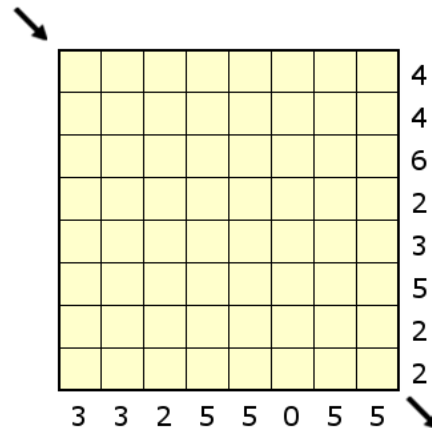
There are 5 apartments with heights from 1 to 5 in each row and each column. Since the numbers outside the table indicate the number of apartments when viewed from that direction and that there are no two apartments with the same height in any row or column, find the heights of all apartments.

Which of the following are the numbers on the diagonal indicated by the arrow?

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

Question 8)

TABLES



Place rectangular tables—each with dimensions of at least 2x2—onto the grid such that no two tables touch, not even diagonally. The numbers to the right of and below the grid indicate the number of table segments in that row or column.

As your answer, enter the state of the squares along the diagonal indicated by the arrow (use 'M' for squares containing a table and 'B' for empty squares).

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

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Question 9)



Chico, the most curious squirrel in the Oak Forest, hid the acorns he gathered for winter in a tree hollow secured by a three-digit code so that no one else could find them.

To avoid forgetting the code, Chico left the following clues for his friend Edgy the Hedgehog:

Clue 1: This number is an odd number.

Clue 2: All the digits of the number are different from each other.

Clue 3: The digit in the hundreds place is exactly three times the digit in the ones place.

Clue 4: The digit in the tens place is 2 less than the digit in the hundreds place.

Which of the following is the secret number that will help Edgy the Hedgehog unlock Chico acorn stash?

- A) 341
- B) 642
- C) 973
- D) 993

Question 10)



During the mathematics lesson, the teacher calls four students—Sercan, Ercan, Hale, and Ayten—to the front of the classroom board. The teacher arranges the students side-by-side in a straight line and tells the class the following:

*Hale is standing exactly halfway between Sercan and Ayten.

*The distance between Sercan and Hale is equal to the distance between Ayten and Ercan.

*The distance between Hale (who is in the middle) and Ercan (who is at the far end) is 6 meters.

Based on the information provided by the teacher, what is the total distance in meters between Sercan who is at one end, and Ercan who is at the other?

- A) 6
- B) 8
- C) 9
- D) 12

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Question 11)

Deniz, Can and Melis, the cheerful students of the 5-A class, collect the apples that are poured under the apple tree in the school garden. These three friends collected a total of 12 apples under the apple tree.

When the teacher of the 5-A class, examines the number of apples in Deniz, Can and Melis's hands, he shares the following information with the class:

Each student collected at least 2 apples.

The number of apples collected by none is equal to the other (everyone collected in different numbers).

Deniz collected the least apples and Melis collected the most apples.

According to this information, how many apples could Can have collected at most?

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

Question 12)



There are 32 scout boys and 20 scout girls in a nature camp. The camp management announces that new scouts will join the camp every weekend to strengthen friendship bonds.

Accordingly, if 1 male scout and 4 female scouts attend the camp every weekend, how many weeks later will the number of male and female scouts in the camp be equal?

- A) 2nd week
B) 3rd week
C) 4th week
D) 5th week

Question 13)



At the entrance of a tunnel on a mountain road, there are traffic signs indicating two important rules for vehicles to pass safely:

Maximum width: 280 cm

Maximum weight: 3500 kg

According to these traffic signs, only vehicles that are both 280 cm or less in width and 3500 kg or less in weight may pass through the tunnel.

Based on this, which of the following vehicles can safely pass through the tunnel?

- A) 285 cm wide, 3450 kg in weight
- B) 275 cm wide, 3550 kg in weight
- C) 279 cm wide, 3499 kg in weight
- D) 280 cm wide, 3505 kg in weight

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GRADES 5-6 GROUP - SAMPLE QUESTION ANSWERS

Question 1) Answer : 3

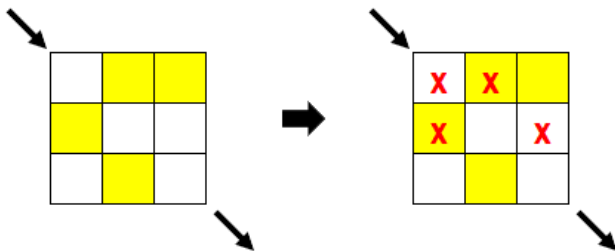
Question 2) Answer : E

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 : 01101

Question 4)

Enter your answers in sequence from A to E, using the letter 'D' for correct statements and 'Y' for incorrect ones. For example, if B and D were incorrect and the others were correct, you would enter DYDYY as your answer.

Answer : DYYYY

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 : 29

Question 6)

Enter the number that satisfies the equation as the answer.

Example:

If the question had been asked as shown below, the solution would have been as shown on the right, and 28 would have been entered as the answer.

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

Answer :

6.A: 24

6.B: 36

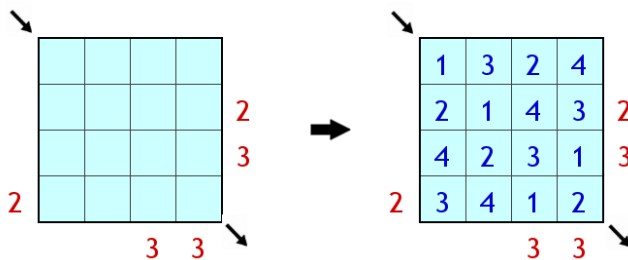
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Question 7)

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.

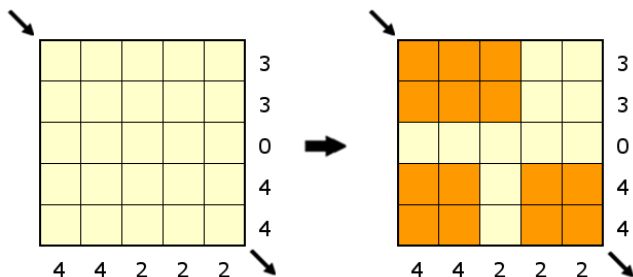


Answer : 52253

Question 8)

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: 973

1. Clue: Our number must be an odd number. Looking at the options, we can immediately eliminate option B because the number 642 is even. This leaves options A, C, and D.

2. Clue (Distinct Digits): All digits of the number must be different from one another. The number 993 in option D contains two 9s. Therefore, we eliminate option D as well. This leaves options A and C.

3. Clue: The digit in the hundreds place must be exactly three times the digit in the ones place.

A) For 341: The hundreds digit is 3, and the ones digit is 1 (3 is three times 1; this satisfies the condition).

C) For 973: The hundreds digit is 9, and the ones digit is 3 (9 is three times 3; this satisfies the condition).

4. Clue: The digit in the tens place must be 2 less than the digit in the hundreds place.

Option A (341): The hundreds digit is 3. Two less than 3 is 1, but the tens digit is 4. Therefore, option A is incorrect.

Option C (973): The hundreds digit is 9. Two less than 9 is 7. $9 - 2 = 7$.

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Question 10)

ANSWER: 9

Let's use the information provided by the teacher in order.

Hale is exactly halfway between Sercan and Ayten.

In this case, the arrangement is as follows:

Sercan — Hale — Ayten — Ercan

and

The distance between Sercan and Hale = The distance between Hale and Ayten

Let's call the distance between Sercan and Hale x meters.

Then:

Hale $\rightarrow$ Ayten = x meters

Ayten $\rightarrow$ Ercan = x meters

The distance between Hale and Ercan is 6 meters.

$$x + x = 6$$

$$2x = 6$$

$$x = 3 \text{ meters}$$

Total distance between Sercan and Ercan

Sercan $\rightarrow$ Hale = 3 m

Hale $\rightarrow$ Ayten = 3 m

Ayten $\rightarrow$ Ercan = 3 m

Total: $3 + 3 + 3 = 9$ meters

Question 11)

ANSWER: 4

The ranking is as follows:

Deniz < Can < Melis (Deniz collected the fewest, and Melis collected the most).

Deniz collected the fewest apples among these three friends, and according to the rules, everyone collected at least 2 apples. Therefore, Deniz collected at least 2 apples.

There were 12 apples in total. If we subtract Deniz's 2 apples, 10 apples remain for Can and Melis.

We want to choose the highest possible number for Can. Since Melis must collect more apples than Can, Melis's total must be greater than Can's.

If Can has 4:

Deniz = 2 apples

Can = 4 apples

Melis = 6 apples ($12 - 2 - 4 = 6$)

Can could have collected a maximum of 4 apples.

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Question 12)

ANSWER: 4th week

Week	Male	Girl
Start	32	20
1st week	33	24
2nd week	34	28
3rd week	35	32
4th week	36	36

At the end of the 4th week, the number of male and female scouts will be equal.

Question 13)

ANSWER: 279 cm wide, 3499 kg in weight

To pass through the tunnel, we must comply with two rules: the width must be a maximum of 280 cm (280 cm or less), and the weight must be a maximum of 3500 kg (3500 kg or less).

Let's check the options one by one:

A) 285 cm wide, 3450 kg in weight: The weight complies, but the width is 285 cm (greater than 280 cm). Therefore, this vehicle cannot pass through the tunnel.

B) 275 cm wide, 3550 kg in weight: The width complies, but the weight is 3550 kg (greater than 3500 kg). Therefore, this vehicle cannot pass through the tunnel.

C) 279 cm wide, 3499 kg in weight: The width is 279 cm (less than 280 cm and safe), and the weight is 3499 kg (less than 3500 kg and safe). This vehicle meets both criteria and can safely pass through the tunnel.

D) 280 cm wide, 3505 kg in weight: The width is at the limit, but the weight is 3505 kg (exceeding 3500 kg). Therefore, this vehicle also cannot pass through the tunnel.