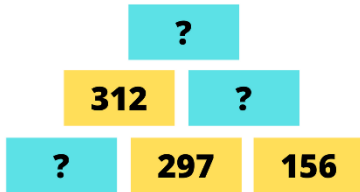
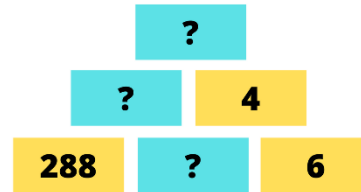


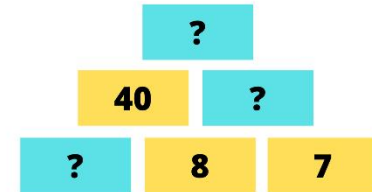
Add missing numbers, if upper number must result of subtraction of two numbers, which are under it.



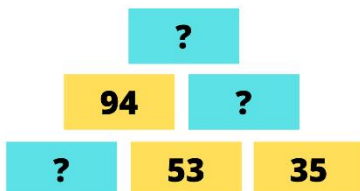
Add missing numbers, if upper number must result of division two numbers, which are under it.



Add missing numbers, if upper number must be product of multiplication two numbers, which are under it.



Add missing numbers, if upper number must be sum of two numbers, which are under it.

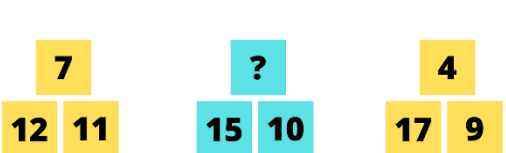


Move numbers in magic square, to have sum 6 in all rows, columns and diagonals:

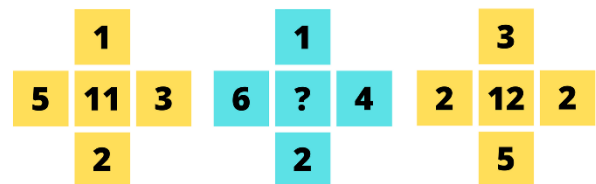
1	2	3
2	3	1
3	1	2

Add to the magic square numbers from 1 to 9, to have same sum in all rows, columns and diagonals:

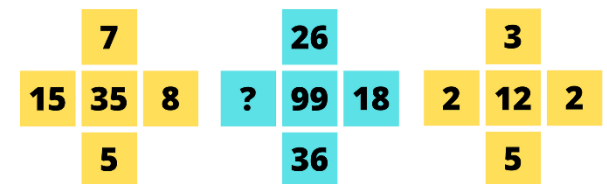
Which number must be instead of question mark?



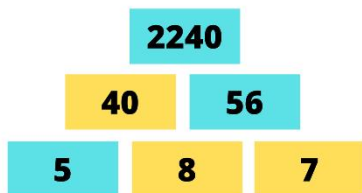
Which number must be instead of question mark?



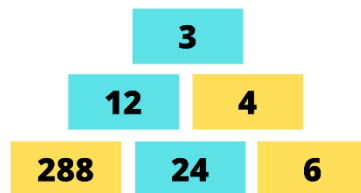
Which number must be instead of question mark?



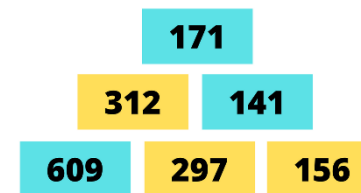
Add missing numbers, if upper number must be product of multiplication two numbers, which are under it.



Solution:



Solution



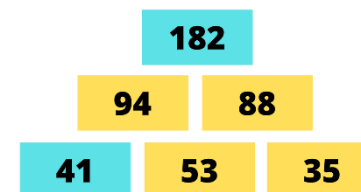
Solution:



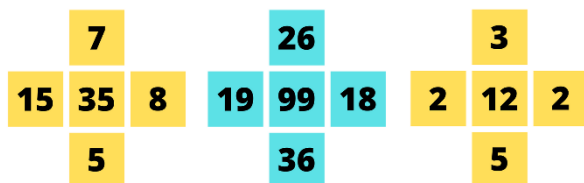
Solution:



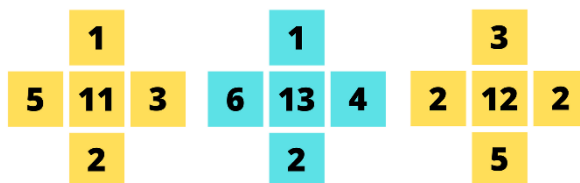
Solution:



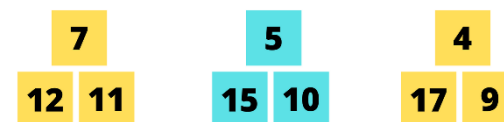
Solution:



Solution:



Solution:



Which number must be instead of question mark?

10	12	14
2	4	6
18	44	?

In football tournament was 6 teams. How many football matches they played, if every team played with all other teams?

Fisherman has caught the fish. The tail of the fish has 3 kilograms. Head was heavy as tail and the half of the body and body was heavy as tail and head together. How much does the fish weight?

Boy has bought a book. He has paid 5 EUR and a half of the price of the book. What was the price of the book?

When Jane was born, her mather had 21 years. Now is mother 4 times older than Jane. How old are they now?

Cyclist, who reached finish 2 places before the last, was 1 place before the cyclist, who was on 5th place. How many cyclists were in this race?

Replace the letters A, B, C with digits, to have valid equality:

$$\begin{aligned} A * B &= B \\ B * B &= CB \\ B * CB &= ACB \end{aligned}$$

Replace the letters X and Y with digits, to have valid equality:

$$XY + YX = 143$$

What two numbers will be at the end of the board?

1	2	4	7	11	?	?
---	---	---	---	----	---	---

Fisherman has caught the fish. The tail of the fish has 3 kilograms. Head was heavy as tail and the half of the body and body was heavy as tail and head together. How much does the fish weight?

Solution: 24 kilograms

In football tournament was 6 teams. How many football matches they played, if every team played with all other teams?

Solution: 15

Solution:

10	12	14
2	4	6
18	44	78

Cyclist, who reached finish 2 places before the last, was 1 place before the cyclist, who was on 5th place. How many cyclists were in this race?

Solution: 6 cyclists

When Jane was born, her mather had 21 years. Now is mother 4 times older than Jane. How old are they now?

Solution: Jane has got 7 year and mother 28 years.

Boy has bought a book. He has paid 5 EUR and a half of the price of the book. What was the price of the book?

Solution: 10 EUR

Solution:

1 2 4 7 11 16 23

Replace the letters X and Y with digits, to have valid equality:

$$XY + YX = 143$$

Solution: for example: X = 9, Y = 4 or X = 8, Y = 5

Replace the letters A, B, C with digits, to have valid equality:

$$\begin{aligned} A * B &= B \\ B * B &= CB \\ B * CB &= ACB \end{aligned}$$

Solution: A = 1, B = 5, C = 2

Which number must be instead of question mark?

1 1 2 ? 5 8 13

Which number must be instead of question mark?

	5		9		4
4	17	7	6	?	8
	1		7		6

Fill in the blank.

4	16	4
?		?
6	?	15

Fill in the blank.

3	?	60
?		?
6	18	3

Fill in the blank.

4	?	16
?		?
9	18	2

Fill in the blanks if the sum of 3 adjacent cards must be 9.

6 1

Complete so that the condition applies.

	3		?
?	→	?	→
			6

+ = 7

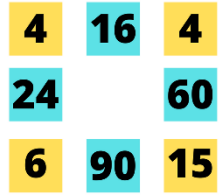
Which number must be instead of green question mark?

3	3	?
6	?	
	10	
9	+	?
		=
		?

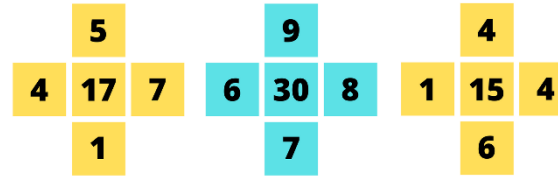
The sum of the two fields below is the field at the top.

	?	
		
		
		
1,9	0,2	5,3
		1,3

Fill in the blank.



Solution:



Solution:



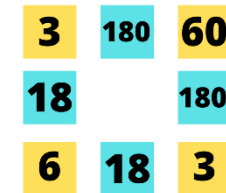
Fill in the blanks if the sum of 3 adjacent cards must be 9.



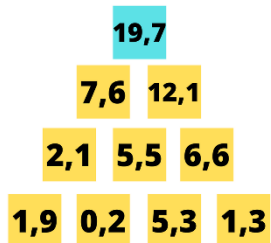
Fill in the blank.



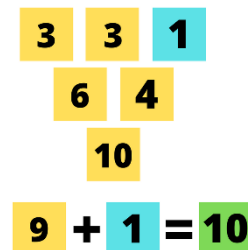
Fill in the blank.



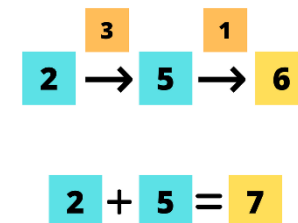
Solution:



Solution:



Solution:

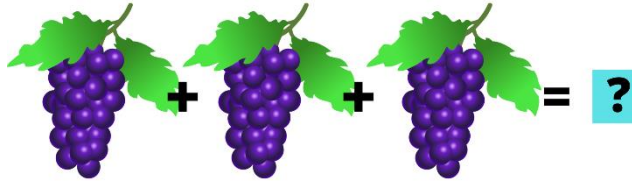


Which number must be instead of green question mark?

2	12	6
?		?
5	?	5

$$12 + ? + ? + ? = ?$$

How many leaves there?



If 10 workers build 10 houses in 10 months. In how many months will 15 workers build 15 houses?



The sum of consecutive numbers is 348. Which are they?



Which two digits need to be separated from the number to make the number as small as possible?

21376854

Replace the letters with numbers so that equality applies.

ABCD * D = DCBA

A brick weighs a pound and a half of a brick. How much does a brick weigh?



How many digit 9 are in numbers from 0 to 99 (inclusive)?



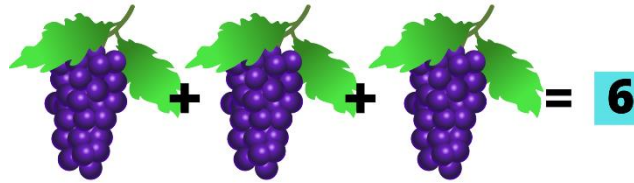
Write two equal numbers of three digits in a row. (e.g., 487 487). Divide this whole six-digit number by 7, then by 11, and finally by 13. What number did you get?



Solution:



Solution:



Solution:

2	12	6
10		30
5	25	5

$$12 + 10 + 25 + 30 = 67$$

Solution:

$$1089 * 9 = 9801$$

Solution:

2 and 7

New number: 136854

Solution:



Solution:

The result is the first three-digit number.

In my case: 487

Solution:



Solution:

2 Kg

Count the fruit.

$$\text{🍌} + \text{🍌} + \text{🍌} = 30$$

$$\text{🍌} + \text{🍌} + \text{🍌} = 20$$

$$\text{🍌} - \text{🥥} = 1$$

$$\text{🍌} - \text{🍌} - \text{🥥} = ?$$

If you divide the number 30 by half and then add the number 10, what number do you get?



There are people and horses in the stable. There are a total of 22 heads and 72 legs in the stable. How many people and horses are there in the stable?



Complete equation

$$\text{🐭} + \text{🐱} = 3 \quad \text{🐮} + \text{🐭} = 5$$

$$\text{🦆} + \text{🐱} = 5 \quad \text{🐮} + \text{🦆} = 8$$

$$\text{🐭} + \text{🐱} + \text{🦆} + \text{🐮} + \text{🐮} = ?$$

Fill in the blank.

5	?	0
30		?
6	?	12

Which number must be instead of question mark?

$$\text{🥕} + \text{🥕} + \text{🥕} = 252,3$$

$$\text{🥕} + \text{🍏} + \text{🍏} = 100$$

$$\text{🌙} + \text{🍏} = 33,75$$

$$\text{🍇} = \text{🥕} + \text{🌙} \quad \text{🍇} = ?$$

Which number must be instead of question mark?

$$\text{🍇} + \text{🍏} = 13$$

$$\text{🍏} + \text{🍏} = 12$$

$$\text{🍌} + \text{🍇} + \text{🍏} = 18$$

$$\text{🍌} + \text{🍌} + \text{🍇} = ?$$

A dealer bought an article for \$7, sold it for \$8, bought it back for \$9, and sold it for \$10. How much profit did he make?

We have got cubic box with the side 80 cm. How many cubes with the side 20 cm we could add to this box?

Solution:

14 horses
8 people

Solution:

30/15 + 10 = 12
or
30/0,5 + 10 = 70

Solution:

+ + = 30
 + + = 20
 - = 1
 - - = 4

Solution:

+ + = 252,3
 + + = 100
 + = 33,75
 = + = 94,35

Fill in the blank.

5	0	0
30		0
6	72	12

Complete equation

+ = 3 + = 5
 + = 5 + = 8
 + + + + = 15

We have got cubic box with the side 80 cm. How many cubes with the side 20 cm we could add to this box?

Solution: 64

A dealer bought an article for \$7, sold it for \$8, bought it back for \$9, and sold it for \$10. How much profit did he make?

Solution: \$2

Solution:

= 13
 = 12
 = 18
 = 23

On Tom's 14th Birthday, his younger brother Ben was half his age. If today is Tom's 31st birthday, how old is Ben?

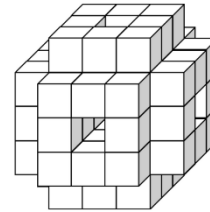
The first tap takes 2 hours to fill the pool, the second tap takes 3 hours, and the last one takes 6 hours. How long will it take to fill the tank using all three taps at once?

Which digit we must add instead of "" in the number to be divisible by 15.*

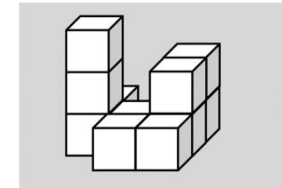
4654*630

Wall clock has 30 seconds delay every day. What delay in minutes they will have in 30 days

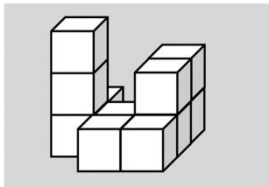
How many cubes was used for building this solid?



John has built the solid from the cubes. It was glued together and added to the blue color. How many cubes will have colored 3 sides?



John has built the solid from the cubes. It was glued together and added to the blue color. How many cubes we must add to have smallest possible cube?



COLOURFUL NUMBERS LOGIC CARD GAME



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of the European Union

Which digit we must add instead of "*" in the number to be divisible by 15.

$$4654*630$$

Solution: 2, 5 or 8

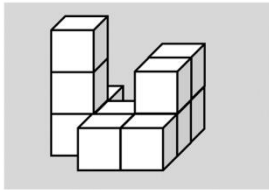
The first tap takes 2 hours to fill the pool, the second tap takes 3 hours, and the last one takes 6 hours. How long will it take to fill the tank using all three taps at once?

Solution: 1 hour

On Tom's 14th Birthday, his younger brother Ben was half his age. If today is Tom's 31st birthday, how old is Ben?

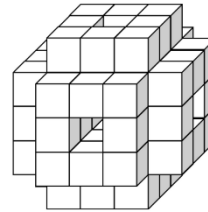
Solution: 24

John has built the solid from the cubes. It was glued together and added to the blue color. How many cubes will have colored 3 sides?



Solution: 2

How many cubes was used for building this solid?



Solution: 68

Wall clock has 30 seconds delay every day. What delay in minutes they will have in 30 days

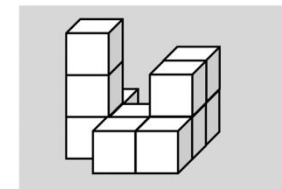
Solution: 15 minutes



COLOURFUL NUMBERS

www.colourfulnumbers.eu

John has built the solid from the cubes. It was glued together and added to the blue color. How many cubes we must add to have smallest possible cube?



Solution: 16

