1. Position

≡ MCQ

Description

Study the given arrangement carefully and answer the question that follows:

T 7 4 A G H K # 5 Q R % 2 3 D F * L M 6 B E 8 @ X $ P V 9

On the basis of their position in the above arrangement, what will come in place of the question mark (**?**)

KQ : R3 ; LB: ?

Answer

Please choose a correct answer.

ⓘ UNSOLVED

🖊 CLEAR

○ 8X

○ 8$

◉ EX

○ E@

REPORT AN ISSUE

All

2. Stay Still

☰ MCQ

Description

The position of an object is given by $p(x) = x^3 - 6x^2 - 63x + 3$. For what value of x will the object be still (not moving)?

Answer

☑ CLEAR

Please choose all correct answers.

✏ ATTEMPTED

- ☐ x = -7

- ☑ x = -3

- ☐ x = 3

- ☐ x = 7

REPORT AN ISSUE

All

3. Decoding code

≡ MCQ

Description

If the code for TEMPLE is UGPTQK, then code for CIRCLE is ?

Answer

Please choose a correct answer.

CLEAR

✏ ATTEMPTED

○ DKVGSK

○ DJUGQK

○ DKUHQI

● DKUGQK

REPORT AN ISSUE

All

4. Transpose of a Matrix

MCQ

Description

If A = $\begin{bmatrix} 2 & 3 & 4 \\ 5 & 6 & 7 \\ 8 & 9 & 1 \end{bmatrix}$ and A' be its Transpose, also where I is an Identity Matrix,

then what is the value of the given expression?

$$\frac{A+A'}{2} - \frac{A-A'}{2}$$

Answer

Please choose a correct answer.

CLEAR

✏ ATTEMPTED

○ A'

○ A

● I

○ 2A'

REPORT AN ISSUE

All

5. Number Permutation

☰ MCQ

Description

In how many ways can a **4 digit** number be formed with digits 0-9 and repetition allowed?

Answer

Please choose a correct answer.

✏ ATTEMPTED

🧽 CLEAR

○ 8000

● 9000

○ 9010

○ 8010

REPORT AN ISSUE

All

6. Check the divisibility

≡ MCQ

Description

Between numbers (100-900), how many are divisible either by 2, 3 and 5?

Note: Exclude both numbers.

Answer

Please choose a correct answer.

✎ ATTEMPTED

◯ 31

● 26

◯ 29

◯ 32

CLEAR

REPORT AN ISSUE

All

8. World With Vowel Together

● Webcam Recording ⤢

☰ MCQ

Description

In how many different ways can the letter of the word **'LEADING'** be arranged in such a way that the vowels come together?

Answer

✏ CLEAR

Please choose a correct answer.

✏ ATTEMPTED

○ 360

○ 480

● 720

○ 5040

REPORT AN ISSUE

9. One of Heart

☰ MCQ

Description

Two cards are drawn together from a pack of **52 cards**. The probability that one is a **spade** and one is a **heart** is?

Answer

Please choose a correct answer.

CLEAR

✏ ATTEMPTED

- ◯ 3/20
- ◯ 29/34
- ◯ 47/100
- ⬤ 13/102

REPORT AN ISSUE

All

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15

12. Toy Cube I

≡ MCQ

Description

A toy cube has pictures of different flowers on its 6 faces:

- The top face has a picture of Jasmine.

- Rose is adjacent to Lotus and Jasmine.

- Mogra is not at the bottom.

- The Lotus is opposite the Lily.

The neighboring faces of the 6th flower, the Sunflower do not have the picture of :

Answer

Please choose a correct answer.

✏ ATTEMPTED

🖊 CLEAR

○ Mogra

○ Lotus

○ Lily

⦿ Jasmine

REPORT AN ISSUE

All

13. PQRS And Straight Line

Webcam Recording

≡ MCQ

Description

This problem contains a question and two statements labeled A and B, giving certain data. You have to select the correct answer from 1 to 4 depending on the sufficiency of the data given in the two statements to answer the question as follows:

1. If the question can be answered by using one of the statements alone but cannot be answered by using the other statement alone,

2. If the question can be answered by using either statement alone,

3. If the question can be answered by using both statements together but cannot be answered by using either statement alone,

4. If the question cannot be answered even by using both the statements together,

Four points P, Q, R, and S are in a straight line. Which two of these points have the maximum distance between them?

A. PQ = RS

B. PR = QS

Answer

Please choose a correct answer.

CLEAR

ⓘ UNSOLVED

- ○ 1

- ○ 2

- ○ 3

- ● 4

All

14. Letter Permutation

≡ MCQ

Description

In how many ways can the letters of the word **LUNCH** be arranged?

Answer

Please choose a correct answer.

✏ ATTEMPTED

✎ CLEAR

- ○ 100
- ○ 110
- ● 120
- ○ 130

REPORT AN ISSUE

All

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16. Treasure Chests

≣ MCQ

Description

A chest C1 contains 3 gold and 4 silver coins and another chest C2 contains 2 gold and 3 silver coins. One chest is selected at random and a coin is drawn from it. If the coin drawn is found to be a silver one, what is the probability that the selected chest was C2?

Answer

Please choose a correct answer.

✎ ATTEMPTED

CLEAR

○ 20/41

○ 23/41

● 21/41

○ 19/41

REPORT AN ISSUE

17. Number of Words

≡ MCQ

Description

Out of **7 consonants** and **4 vowel**, how many words of **3 consonants** and **2 vowel** can be formed.

Answer

Please choose a correct answer.

✏ ATTEMPTED

CLEAR

○ 210

○ 1050

● 25200

○ 21400

REPORT AN ISSUE

All

18. Number of Numbers

≡ MCQ

Description

How many 3 digit numbers can be formed from the digits 2, 3, 5, 6, 7 and 9; which are divisible by 5 such that none of the digits are repeated?

Answer

✎ CLEAR

Please choose a correct answer.

✎ ATTEMPTED

○ 4

○ 10

○ 15

● 20

REPORT AN ISSUE

All

19. The In-Betweens!

≡ MCQ

Description

Six people, A, B, C, D, E, and F, are standing in a circle. B is between D and C. A is between E and C. F is to the right of D. Who is between A and F?

Answer

✐ CLEAR

Please choose a correct answer.

✎ ATTEMPTED

○ A

○ C

○ D

⦿ E

REPORT AN ISSUE

12
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All

Webcam Recording

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20. Probability of Student

≡ MCQ

Description

In a class, 30% of students are offered English, 20% are offered Hindi and 10% are offered both. If the student is selected at random, what is the probability that he is offered English and Hindi?

Answer

CLEAR

Please choose a correct answer.

✏ ATTEMPTED

◉ 2/5

○ 3/4

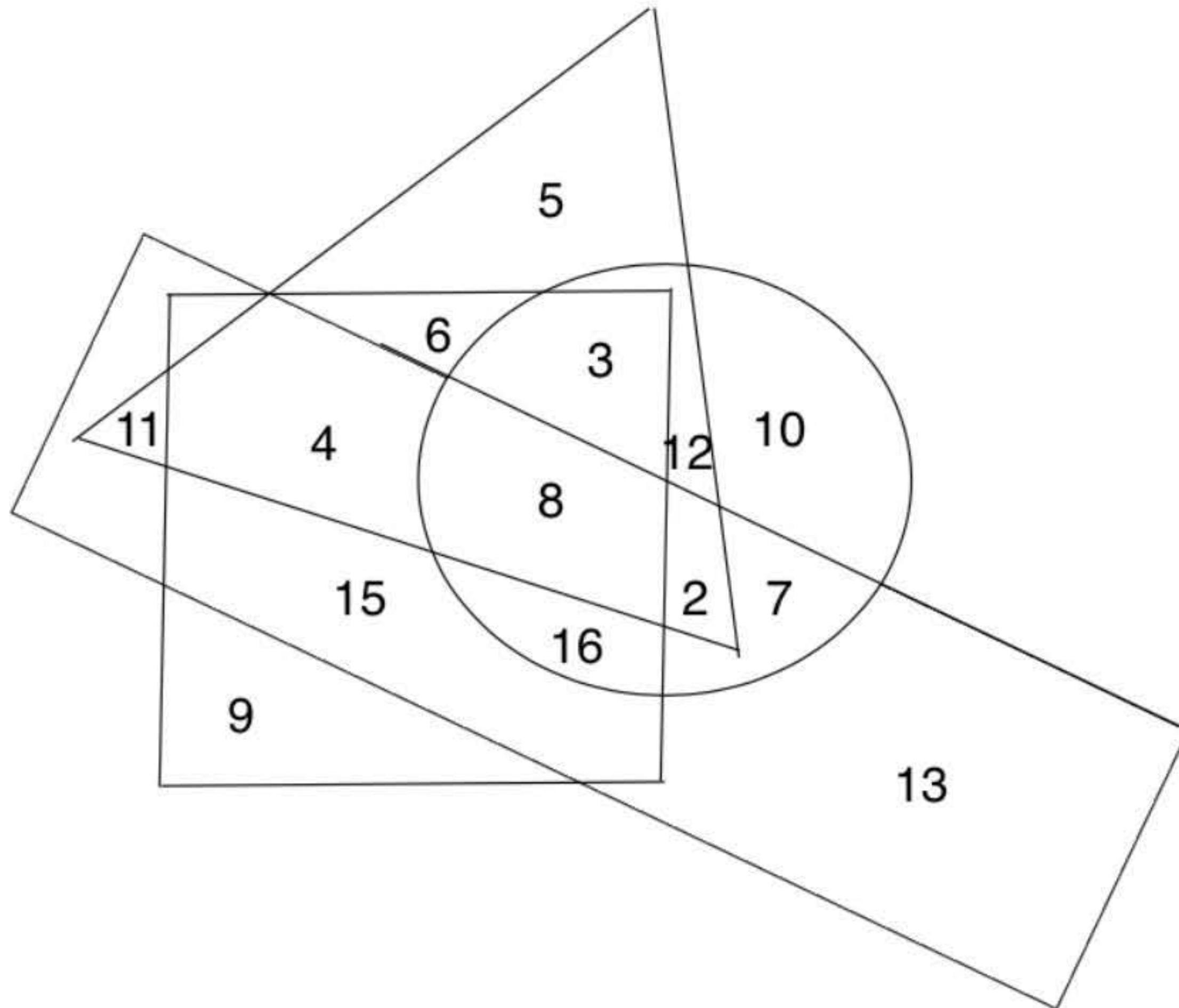○ 3/5

○ 3/10

REPORT AN ISSUE

CONTINUE TO NEXT QUESTIONS

21. Figure out

☰ MCQ

Description

In the given figure, the Circle stands for employed, the Square represents intelligent, the Rectangle represents urban and the Triangle represents boys. Boys who are employed and live in urban areas, but not intelligent are represented by

All

22. Toll the Bell

≡ MCQ

Description

7 bells commence tolling together at interval of 2, 4, 6, 8, 10, 20, 30 seconds respectively. In 53 minutes, how many times they toll together?

Answer

Please choose a correct answer.

CLEAR

✏ ATTEMPTED

⦿ 26

◯ 12

◯ 10

◯ 18

REPORT AN ISSUE

All

24. Same Pattern

≡ MCQ

Description

Choose the correct alternative that will continue the same pattern and replace the question mark in the given series: a b ?? a ?? c ? b b ? a ? b ?

Note: each ? replaces a letter in the given alternatives. Hence, choose the alternative whose letters serially replace the ? given in the question.

Answer

CLEAR

Please choose a correct answer.

✎ ATTEMPTED

- ○ bcbbaabc
- ● bcbbacbc
- ○ acbbacbc
- ○ abccacbc

REPORT AN ISSUE

All

23. Number of Balls

MCQ

Description

A box contains 2 white balls, 3 black balls and 4 red balls. In how many ways can 3 balls be drawn from the box, if atleast one ball included is black?

Answer

Please choose a correct answer.

CLEAR

ATTEMPTED

- ○ 32
- ● 64
- ○ 48
- ○ 96

REPORT AN ISSUE

Webcam Recording

All

1. His Profit Percentage

≡ MCQ

Description

A trader mixes 13 kg of rice at Rs. 20 per kg with 15 kg of rice of other variety at Rs. 36 per kg and sells the mixture at Rs. 30 per kg. What is his profit percentage?

Answer

CLEAR

Please choose a correct answer.

✎ ATTEMPTED

- ● 5
- ○ 10
- ○ 15
- ○ 2.5

REPORT AN ISSUE

All

3. Missing Number- I

MCQ

Description

Find the **missing number** of the **series**.

9, 18, 54, 216, ?, 6480

Answer

Please choose a correct answer.

CLEAR

✏ **ATTEMPTED**

- ● 1080
- ○ 432
- ○ 864
- ○ 1512

REPORT AN ISSUE

5. What the Number I

MCQ

Description

T is a positive integer of 5 digits. It is greater than 70000 but, less than 80000. It is the square of an odd integer. The product of the digits of T is 336. The thousands' digit is less than the hundreds' digit. Two of the digits are equal.

The sum of the digit of T is:

Answer

Please choose a correct answer.

✏ ATTEMPTED

CLEAR

- ○ 19
- ● 21
- ○ 24
- ○ 28

REPORT AN ISSUE

All

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6. Number Of Ways III

● Webcam Recording ⤢

≡ MCQ

Description

Mayur travels from Mumbai to Jammu in **7 different ways**. But he is allowed to return to Mumbai by any way except the one he used earlier. In how **many ways** can he complete his journey?

Answer

🖉 CLEAR

Please choose a correct answer.

🖉 ATTEMPTED

○ 49

⦿ 42

○ 48

○ 6

REPORT AN ISSUE

All

7. Straight Hands on the Clock

MCQ

Description

How many times is the minute hand of a clock opposite to the hour hand, from '8:00 pm on the 6th of a month' to '6:00 am on the 10th of the same month'?

Answer

Please choose a correct answer.

CLEAR

ATTEMPTED

- 43
- 56
- ● 76
- 86

REPORT AN ISSUE

8. Is 30 Years

MCQ

Description

The current (as of today) average age of a family of four members A, B, C and D is 30 years.

Consider the following points:

- A and B have twin kids after 2 years from today.

- C and D have a kid after 4 years from today.

Find the average age (in years) of the family after 5 years from today (approximately).

Answer

Please choose a correct answer.

✎ ATTEMPTED

CLEAR

○ 20

○ 25

● 21

○ 29

REPORT AN ISSUE

All

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14. Condition for J

☰ MCQ

Description

How many combinations are possible while selecting four letters from the word 'SMOKEJACK' with the condition that 'J' must appear in it?

Answer

CLEAR

Please choose a correct answer.

✎ ATTEMPTED

⚪ 81

⚪ 23

🔘 41

⚪ 45

REPORT AN ISSUE

All

17. Consonants

☰ MCQ

Description

Study the given arrangement carefully and answer the question that follows:

T 7 4 A G H K # 5 Q R % 2 3 D F * L M 6 B E 8 @ I $ P V 9

How many such consonants are there in the above arrangement, each of which is immediately preceded by a number?

Answer

🖊 CLEAR

Please choose a correct answer.

🖊 ATTEMPTED

○ One

○ Two

○ Three

⦿ More than three

REPORT AN ISSUE

All

18. Age Difference

☰ MCQ

Description

Harriet's age is 125% of what it was 10 years ago, but $83\frac{1}{3}$% of what it will be after 10 years.

What is her **present age**?

Answer

Please choose a correct answer.

CLEAR

✎ ATTEMPTED

○ 70

○ 30

◉ 50

○ 60

REPORT AN ISSUE

19. Like To Dance

≡ MCQ

Description

In a group of 400 kids, every kid has exactly two hobbies among singing, dancing, ice-skating and sewing.

It is known that 100 kids like singing and dancing , 70 kids like singing and ice-skating , while 50 kids like dancing and ice-skating.

Among the remaining kids, an equal number like each of the other possible dual hobbies.

How many kids like to dance?

Answer

Please choose a correct answer.

🖉 ATTEMPTED

CLEAR

○ 210

○ 200

○ 170

● 230

REPORT AN ISSUE

doselect

All

2. Has Two Versions

☰ MCQ

Description

Facebook has two versions.Software team of Facebook improve the system day by day, and they developed two versions using different Software tools.In version 1, to like a post takes 1.2 seconds and to create a post takes 2.7 seconds.In version 2, to like a post takes 0.9 seconds and to create a post takes 2.9 seconds.If a person averages 5 like operations and 3 create operations per day, what would be the difference in second between the two versions for a person?

Answer

Please choose a correct answer.

✎ ATTEMPTED

CLEAR

○ Version 2 would take 0.5 seconds more/person.

○ Version 1 would take 0.7 seconds more/person.

○ Version 2 would take 0.9 seconds more/person.

○ Version 1 would take 0.5 seconds more/person.

● Version 1 would take 0.9 seconds more/person.

REPORT AN ISSUE

All

4. Rowing

● Webcam Recording ⤢

≣ MCQ

Description

Dave rows to an island **48 kms away** and **comes back in 14 hours**. He finds that he can row **4 km downstream** in the same time as **3 km upstream**.

What is the **speed of the stream**?

Answer

Please choose a correct answer.

✎ ATTEMPTED

CLEAR

- ● 1 km/h
- ○ 1.5 km/h
- ○ 2 km/h
- ○ 2.5 km/h

REPORT AN ISSUE

All

9. Coca Cola and Wine

☰ MCQ

Description

A tumbler consists of mixture of Coca Cola and wine consisting 18% Coca Cola .

8 litres of the mixture is drawn out of the tumbler which is again replaced by wine. If the present percentage of Coca Cola is 15%, then what would be the quantity of the mixture in the tumbler?

Answer

🖊 CLEAR

Please choose a correct answer.

🖊 ATTEMPTED

○ 26.67 L

○ 40 L

○ 36 L

● 48 L

REPORT AN ISSUE

Coding

Description

Problem Statement

Noah is a traveller who wants to travel to different places. He knows the paths between various cities. But here's a catch, he wants to travel in a unique pattern between various cities. Since he's having a hard time choosing the path he wants to travel, he has decided that starting from the first city he'll move to the next city which comes first in the list. After visiting the cities connected to a particular city, he moves on to the next city in the list and repeats the same.

Given the number of paths and the next cities, print the order in which Noah has to travel.

Input Format

- The first line is an integer which denotes the number of paths **P**
- The next **P** lines take two **space** separated strings **s1** and **s2**
- The last line after **P** lines takes a single string as input which denotes the city the traveller visits first

Output Format

- The output consists of a single string in each line which denotes the path the traveller has to travel
- Only print the cities which are **connected**

Note: s1 to **s2** denotes a path from City A to City B but **NOT** from city B to city A

Evaluation Parameters

Sample Input

5

```cpp
#include <cstdio>
#include <iostream>
#include <algorithm>
#include <cmath>
#include <vector>

using namespace std;

int main() {
    // Declare the variable
    int a;

    // Read the variable from STDIN
    cin >> a;

    // Output the variable to STDOUT
    cout << a;

    return 0;
}
```

- The first line is an integer which denotes the number of paths **P**
- The next **P** lines take two **space** separated strings **s1** and **s2**
- The last line after **P** lines takes a single string as input which denotes the city the traveller visits first

Output Format

- The output consists of a single string in each line which denotes the path the traveller has to travel
- Only print the cities which are **connected**

Note: s1 to **s2** denotes a path from City A to City B but **NOT** from city B to city A

Evaluation Parameters

Sample Input

```
5
Bangalore Hyderabad
Bangalore Chennai
Hyderabad Mumbai
Hyderabad Delhi
Chennai Kerala
Bangalore
```

Sample Output

```
Bangalore
Hyderabad
Chennai
Mumbai
Delhi
Kerala
```

Execution time limit

C++ ACCEPTED

```cpp
10  int main() {
11
12      int n;
13      cin >> n;
14      vector<vector<string>> s(n);
15      for(int i = 0; i < n; i++) {
16          string a, b;
17          cin >> a;
18          cin >> b;
19          s[i].push_back(a);
20          s[i].push_back(b);
21      }
22
23      string st;
24      cin >> st;
25
26      queue<string> q;
27      q.push(st);
28      int i = 0;
29      while(!q.empty()) {
30          string a = q.front();
31          q.pop();
32          int j;
33          while(i < n) {
34              if(s[i][0] == a) {
35                  q.push(s[i][1]);
36                  j = i;
37              }
38              i++;
39          }
40          cout << a << endl;
41          i = 0;
42          // i = j + 1;
43      }
44
45
46      return 0;
47  }
```

Ln 41, Col 11   C++

Test Results   Custom Input

RUN CODE   SUBMIT

All

1. Prabhu's Loan

● Webcam Recording ⤢

☰ MCQ

Description

Prabhu took a loan of US $5,000 from a bank at X% interest and a loan of US $10,000 from another bank at Y% interest. At the end of one year, he repaid half of the first loan and three-quarters of the second (paying off the interest also), but took a fresh loan of US $2,500 from a third bank at Z% interest.

The total interest due for the second year on all the loans is _____.

Answer

Please choose a correct answer.

CLEAR

✏ ATTEMPTED

● 25*(X + Y + Z)

○ 25X + 50Y + 25Z

○ 2500X + 2500Y + 2500Z

○ 75*(X + Y + Z)

REPORT AN ISSUE

All

9. Find the Value

≡ MCQ

Description

If the value of:

$$x = 3 * 2^{1/2} + 2^{-1/3}$$

find the value of $(2x^3 - 5/x)$.

Answer

Please choose a correct answer.

🖉 CLEAR

✏ ATTEMPTED

- ○ 5

- ○ 6

- ⦿ 254.5

- ○ 249

REPORT AN ISSUE

All

12. Cotton and Linen shirts

☰ MCQ

Description

Sylvester sells two kinds of shirts - cotton and linen. Cotton shirt is sold at **30% profit** and a linen is sold at **50% profit**. Sylvester knows for a fact that if he sells 100% more linen shirts than cotton shirts, his overall profit will be $ 455. However he ends up selling 505 more cotton shirts than the linen shirts.

What would be his **total profit percentage**?

Answer

Please choose a correct answer.

✎ ATTEMPTED

CLEAR

○ 20%

● 40%

○ 60%

○ 25%

REPORT AN ISSUE

All

18. Game of Symbols

MCQ

Webcam Recording

Description

If @ means + , # means − ,$ means X, and % means / , then which one of the following statements is FALSE?

Answer

CLEAR

Please choose a correct answer.

ATTEMPTED

○ 11 @ 111 % 37 > 10 $ 5 # 14 $ 3

○ 12 $ 3 # 23 < 23 $ 2 # 32

○ (78 # 8 $ 9) < (87 # 7 $ 11)

● [14 @ (35 $ 3 # 100)] $ 3 < 57

REPORT AN ISSUE