

1. The sum of the two-digit number is 8. When we interchange the digits the new number is 18 greater than the earlier number. Find the number

35

53

32

34

Ans:35

2. Neshanth fails a test by 10% from the cut-off marks, he got 222 marks overall. What is the maximum mark in the test if the cut-off scores 296 for the same test?

830

810

780

740

Ans:740

3. Statements

All books are pages. Some pages are letters All letters are numbers

Conclusions

Some books are letters,

Some numbers are book

Some numbers are pages

Some letters are books

None follow

Only I and II follow

Only II and III follow

Only III follow

Ans: Only III follow

4. A teacher while marking 10 answer papers, has to arrange papers such a way that the highest and the lowest score papers should never be together, In how many ways he can do this arrangement?

8*9!

8*8!

7*9!

9*8!

Ans:8*9!

5. What least number must be subtracted from 3000 (that number has to be the least number) such that the resultant number is exactly divisible by 7,11 and 137

998

1001

999

None of these

Ans:998

6. Six friends are sitting in a circle and are facing the centre of the circle. Deep is between Michael and Patra. Lav is between Michael and Phelps. Pruitt and Michael are opposite to each other. If Michael and Pruitt are interchanged, then who is sitting left to Michael?

Michael

Phelps

Patra

Lav

Ans: Phelps

7. A sack of rice costs Rs.360. If the quantity was 6 more and per kg costs Rs 3 less, the total cost would remain unchanged. What is the weight of the sack?

Ans: 24kgs

8. In a certain code EQUITY is written as FSXMYE then how is MARKET written in that code?

NCYCLZ

NDUCUZ

NCVJKZ

NCUJUJ

Ans: NCUJUJ

9. Nishanth fails a test by 10% from the cut-off marks, he got 222 marks overall. What is the maximum mark in the test if the cut-off score is 296 for the same test?

830

810

780

740

Ans:740

10.. Pointing to a photograph, Seema said that this lady's mother in my mother's daughter. How is the mother of the lady in the photograph related to Seema?

Mother

Aunt

Daughter

Sister

Ans: sister

11. Two pipes A and B can fill a tank in 12 hours and 15 hours respectively. If they are opened on alternate hours with pipe B opened first, then in how many hours the tank will be full?

13 $\frac{1}{4}$ hrs

14 $\frac{2}{5}$ hrs

14 hrs

13 $\frac{2}{5}$ hrs

Ans: 13 $\frac{1}{4}$ hrs

12. Sherin borrowed 2 loans at SI one for Rs 1800 at 7% and Rs.1700 at 8% for same period. She paid Rs.1310 as total interest. Find the period for which the money is borrowed

3 years

6 years

5 years

6 years

Ans: 5 years

13. Sanjay rolled die three times and the numbers appearing on the uppermost face when added will be 15. What is the probability the first number that appeared was four?

$\frac{1}{5}$

$\frac{1}{2}$

$\frac{1}{3}$

$\frac{1}{7}$

Ans: $\frac{1}{5}$

14. Van Buren started to move in the direction of the North. After moving 15ft, he turned to his right and moved 15 ft. Again he to his right and moved 15 ft. Now how far is he from his starting point and in what direction?

15 ft, North

15 ft, South

30 ft, East

None of these

Ans:15 ft, South

15. A cube be painted green on all faces is cut into 216 cubes of equal ses How many cubes are painted on one face only?

- 6
- 8
- 48
- 96

Ans: 96

16.If two trains of lengths 360 m and 120 m take 30 seconds and 15 seconds respectively to cross a telegraph post, then in what time (in seconds) will they cross each other traveling in opposite directions?

- 12
- 18
- 14
- 24

Ans.24

17.The cost of manufacturing a perfume comprises the cost of materials, labour and overheads in the ratio 5:4:3. The labour cost is Rs.200. If the perfume is sold at a price one-third more than the cost price, find the profit.

- 250
- 150
- 200
- 300

Ans.200

18.Read the following information to answer the given questions

- 1. Pepper Potts, Hulk, Ironman, Hawkeye, Thor Lok and Black Widow are sitting in a circle.**
- 2. Pepper Potts, Hulk, Ironman, Hawkeye, Loki and Black Vidow are sitting at equal distances from each other.**
- 3. Ironman is sitting two places right of Loki who is sitting one place right of Hawkeye. (People seated equal distance only considered)**
- 4. Pepper Potts forms an angle of 90° from Thor and an angle of 120° from Hulk.**
- 5. Hulk is just opposite Black Widow and is sitting on the left of Thor**

Ans.None of the Above

19.A and B are sisters. C and D are brothers. A's son is D's brother,

How is B related to C?

- 1.Uncle
- 2.Sister
- 3.Grand Mother
- 4.Aunt

Ans.Aunt

20.247,123,60,34,27,?

1.14

2.26

3.18

4.27

Ans.27

Code:

Single file programming:

```
n=int(input())
c=[]
for i in range(2*n-1):
    if i==n-1:
        print(' '*2*i+str(i+1))
        continue
    if i>n-1:
        print(c[n-i-1])
        continue
    c.append(' '*2*i+str(i+1)+' '*(4*(n-i-1)-1)+str(i+1))
    print(c[i])
```

Caption contest

Exeter caption contest

```
n=input()
s=input()
c=0
for i in range(0,len(n)):
```

```

if n[i]=='?' and s[i]=='?':
    pass
elif n[i]==s[i]:
    pass
elif n[i]=='?' and s[i].isalpha():
    pass
elif n[i].isalpha() and s[i]=='?':
    pass
else:
    c=c+1
m=0
for i in range(0,len(n)):
    if n[i]!=s[i] :
        m=m+1
    elif n[i].isalpha() and s[i]=='?':
        m=m+1
    elif n[i]=='?' and s[i].isalpha():
        m=m+1
    elif n[i]=='?' and s[i]=='?':
        m=m+1
    elif n[i].isalpha() and s[i].isalpha():
        if n[i]==s[i]:
            pass
print(c,m)

```

Robert is given a string that ends with a character or a number. He has to check the length of the given string and append it to the end in such a way that if the original string ends with a number then the new string with the appended value must have the length of the string as the last two characters. If the string ends with a character then append the total length as the last character. Also, the number to be appended must be a single positive digit. Write a code to implement the given scenario.

```
-def f(a):  
    if a[-1].isdigit():  
        n=len(a)-1  
        c=str(n)  
        if len(c) 9:  
            return -1  
        if c[0]=a[-1]:  
            return c[1]  
    if len(str(len(a))) 9:  
        return -1  
    return a str(len(a))  
a=input()  
print(f(a))
```