Zoho Round 1

Total Questions: 30 │ Total Time: **90 Mins**

Question: 1   **[Numerical/Fill in the Blank, +1, -0]**

What term comes next in the given series?

24, 36, 72, 180, 540, ___.

Question: 2   **[Numerical/Fill in the Blank, +1, -0]**

What value comes next in the given series?

26, 126, 50, 344, 122, 1332, ___.

Question: 3   **[Numerical/Fill in the Blank, +1, -0]**

What value comes in the plce of the question mark?

13	5	31
29	8	66
7	12	26
18	3	?

Question: 4   **[Numerical/Fill in the Blank, +1, -0]**

Mahesh hammered a nail on a tree to mark his height, at the age of 10. He was 120 cm tall at that time. For every 1 centimeter he grew, the tree grew by 20 cm. At the age of 20, when Mahesh was 180 cm tall how many centimeters above the ground is the nail? (Enter only the numeral value)

Question: 5   **[Numerical/Fill in the Blank, +1, -0]**

Countless number of people attended a party. The first person asked for half a litre of mango juice, the second person asked for a quarter litre of mango juice, the third person ordered for one-eighth of a litre of mango juice, and so on.
If everyone at the party should get mango juice as per their wish, how many litres of orange juice must be avaiable? (enter only the numeral value)

Question: 6   **[Numerical/Fill in the Blank, +1, -0]**
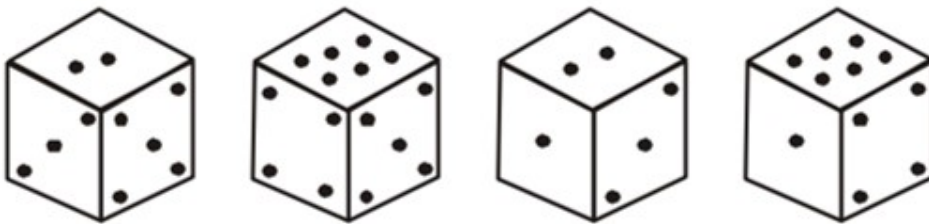
Ages of three brothers are prime numbers. Differences between the ages of any two brothers are also a prime numbers. What is the sum of the ages of these brothers?

Question: 7   **[Numerical/Fill in the Blank, +1, -0]**

An eight digit number is formed using the digits 4,4,3,3,2,2,1 and 1. There is exactly one digit between the 1s, two digits between the 2s, three digits between the 3s and 4 digits between the 4s. What is the number?
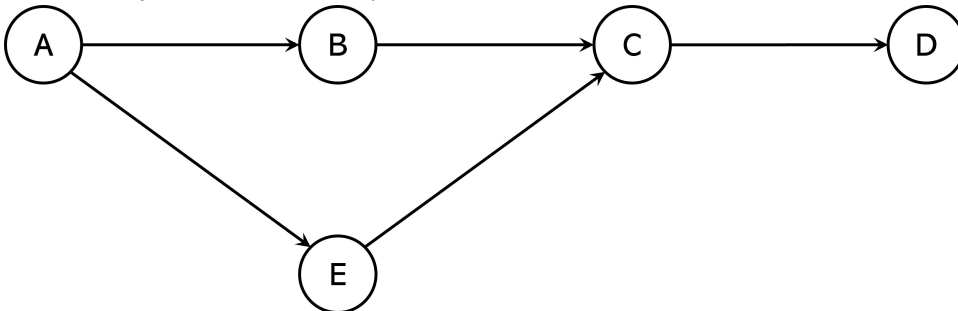
Question: 8   **[Numerical/Fill in the Blank, +1, -0]**

How many dots are there on the face opposite the face with two dots?

Question: 9   **[Numerical/Fill in the Blank, +1, -0]**

In the given image, the money flows from one person to another as per the direcions mentioned by the arrows. Everyone takes their quota and when there is surplus, they give it to the next person in line. The quotas for B, C, D and E are 400, 600, 800 and 1000 respectively. The amount sent by B to C is 200. What should be the minimum amount sent from A to E so that everyone receives their quota?

Question: 10   **[Numerical/Fill in the Blank, +1, -0]**

A shopkeeper increased the price of a product by 40% and then gave a discount of 40%. He then increased the new price by 50% and then gave 50% discount. His final price is what percentage less than the inital price?
(do not enter % symbol in the answer)

Question: 11   **[Numerical/Fill in the Blank, +1, -0]**

The average of 45 numbers is 24. The average of five of these 45 numbers is 56. What is the average of the remaining numbers?

Question: 12   **[Numerical/Fill in the Blank, +1, -0]**

X is a three digit number obtained by reversing the digits of a three digit number Y. The absolute difference between X and Y is always divisible by:

Question: 13   **[Numerical/Fill in the Blank, +1, -0]**
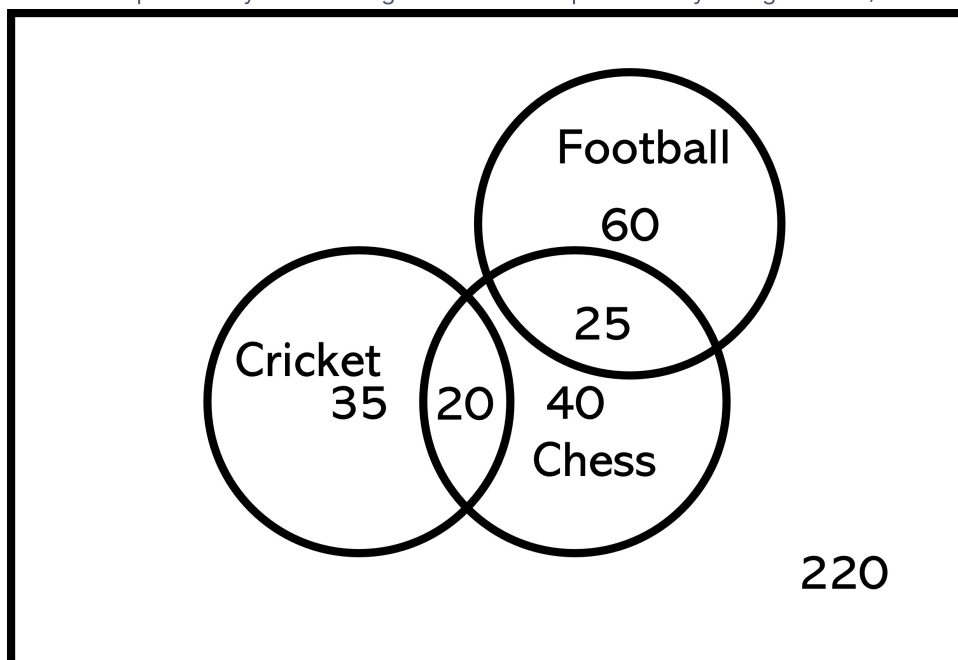
A boy has six friends. He conducts a party for which he can invite 2 or more friends. In how many ways can he invite his friends?

Question: 14   **[Numerical/Fill in the Blank, +1, -0]**

Ajith and Anand started a project with their respective investments in the ratio of 4:5. After the project started, Praveen and Prakash also joined with investments in the ratio of 3:2. If at the end of the year, Praveen's share of the total profit amount was Rs.8,000.00 more than that of Anand and 65% more than that of Ajith, then what was Prakash's share of the total profit amount?

Question: 15   **[Numerical/Fill in the Blank, +1, -0]**

Distribution of students who play exactly one game or a combination of two games or no games is given in the diagram below. The probability of selecting a student who plas exactly one game is x/10. What is the value of x?

Question: 16   **[Numerical/Fill in the Blank, +1, -0]**

Two villages A and B are 1650 km apart. Q starts from A at 3:00 pm at a speed of 60 kmph and P starts from B at 8:00 pm the same day at a speed of 75 kmph. Who will be closer to village B when they meet?
(Type the answer in CAPITAL LETTER)

Question: 17   **[Numerical/Fill in the Blank, +1, -0]**

Kishore is twice as good a workman as Manoj and is therefore able to finish a piece of work in 120 days less than Manoj. In how many days they can complete double the work, working together?

Question: 18   **[Numerical/Fill in the Blank, +1, -0]**

In how many ways the letters of the word ZOHOZOHO so that the arrangements start with Z and end with Z?

Question: 19   **[Numerical/Fill in the Blank, +1, -0]**

Find the next term in the given series.

Q13I, O14M, M15Q, K16U, ___.

(The letters in the answer shoud be in CAPITAL)

Question: 20   **[Numerical/Fill in the Blank, +1, -0]**

A man was at one end of city. He has to give 2 pieces of cake to his friend who was at the other end of the city. There were 8 tolls on the way with 8 gatekeepers. Each gatekeeper will take half the number of cakes he has and will give one piece back to him. How many cakes should the man carry initially?

Question: 21   **[Numerical/Fill in the Blank, +1, -0]**

What is the output for this program?

```c
#include <stdio.h>
int main()
{
int a= 1, b= 1, c= 1;
if (a==b==c)
{
printf("9");
}
else
{
printf("8");
}
return 0;
}
```

Question: 22   **[Numerical/Fill in the Blank, +1, -0]**

What is the output for this program? **(DO NO GIVE SPACE BETWEEN THE NUMBERS)**

```c
#include <stdio.h>
int main()
{
int a = -1, b = 4, c = 1, d;
d = ++a && ++b || ++c;
printf("%d%d%d%d", a, b, c, d);
return 0;
}
```

Question: 23   **[Numerical/Fill in the Blank, +1, -0]**

What is the output for this program?
```c
#include<stdio.h>
int main()
{
struct node
{
int a, b, c;
};
struct node num = {3, 5, 6};
struct node *ptr = & num;
printf("%d\n", *((int*)ptr + 1 + (3-2)));
return 0;
}
```

Question: 24   **[Numerical/Fill in the Blank, +1, -0]**

What is the output for this program?
```c
#include<stdio.h>
int main()
{
char arr[30] = "Channel B.Tech";
int *ptr;
ptr = arr;
printf("%c",ptr[2]);
return 0;
}
```

Question: 25   **[Numerical/Fill in the Blank, +1, -0]**

What is the output for this program?
```c
#include<stdio.h>
int main()
{
int i = 1;
do
{
while(i)
i--;
for(i++;0;i++);
break;
}
while(1);
printf("%d", i);
return 0;
}
```

Question: 26   **[Numerical/Fill in the Blank, +1, -0]**

What is the output for this program? **(DO NOT GIVE SPACE BETWEEN THE NUMBERS)**
```c
#include<stdio.h>
int main()
{
static int i;
for(i++;++i;i++)
{
```

```
printf("%d", i);
if(i == 6)
break;
}
return 0;
}
```

Question: 27   **[Numerical/Fill in the Blank, +1, -0]**

What is the output for this program?
```
#include<stdio.h>
int main(){
int i = 5, j = 9;
switch(i | j)
{
case 1:
printf("0");
break;
case 5:
printf("00");
break;
case 7:
printf("000");
break;
case 13:
printf("0000");
break;
}
return 0;
}
```

Question: 28   **[Numerical/Fill in the Blank, +1, -0]**

What is the output for this program?
```
#include<stdio.h>
#include<string.h>
int main()
{
int i;
char *ptr;
char *fun();
ptr = fun();
printf("%s", ptr);
return 0;
}
char *fun()
{
char disk[30];
strcpy(disk, "1");
printf("%s",disk);
return disk;
}
```

Question: 29   **[Numerical/Fill in the Blank, +1, -0]**

What is the output for this program?
```c
#include<stdio.h>
int main()
{
int a, b, c;
int arr[5] = {1, 2, 3, 22, 7};
a = ++arr[1];
b = arr[1]++;
c = arr[a++];
printf("0%d0%d20%d",a,b,c);
return 0;
}
```

Question: 30   **[Numerical/Fill in the Blank, +1, -0]**

What is the output for this program?
```c
#include<stdio.h>
void ptr(char**);
int main()
{
char *argv[] = { "abc", "def", "ghi", "jkl", "mno", "pqr" };
ptr(argv);
return 0;
}
void ptr(char **p)
{
char *t;
t = (p += sizeof(int))[-1];
printf("%s\n", t);
}
```