Description

Capacity

Program Description

Consider a disk has 2 surfaces, each surface is divided into **T** tracks and each track is divided into **S** sectors, each sector is divided into **B** blocks. Each block has **512 bytes** of memory. So find the **capacity** of the disk (in KB's).

Input Format

Single line input, containing three space-separated integers T, S, B.

Output Format

Print the Capacity of the disk(in KB's).

Constraints

1<=T,S,B<=100

Explaination

Test Case 1: Capacity = 2 x T x S x B x 512 bytes.

= 2 x 15 x 20 x 30 x 512

= 92,16,000 bytes

1KB= 1024 bytes

So, Capacity in KB = Total Capacity in bytes/1024

= 92,16,000/1024==> 9000 KB

Input-1

```
15
20
30
```

Output-1

```
9000 KB
```

Light

C - GCC 11.1.0

Timer 0:07 sec

```
#include<stdio.h>
int main()
{
    int t,s,b,a,c;
    scanf("%d %d %d",&t,&s,&b);
    a=(2*t*s*b)*512;
    c=a/1024;
    printf("%d KB",c);
    return 0;
}
```

Run Code

Compiler Response

#	Testcase	Input	Expected Output	Your Output	Memory	CPU time	Result
1	15 20 30	15 20 30	9000 KB	9000 KB	1408 KB	3.587 ms	Pass
2	10 10 10	10 10 10	1000 KB	1000 KB	1408 KB	2.636 ms	Pass

All hidden testcases passed

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