/\* find number of numbers between 1 and n which are divisible

by any of prime nos less than 20 \*/

#include<bits/stdc++.h>

using namespace std;

#define ll long long int

int main()

{

ll t;

cin>>t;

ll primes[]={2,3,5,7,11,13,17,19};

while(t--)

{

ll n;

ll ans=0;

cin>>n;

ll subsets=(1<<8)-1;

for(ll i=1;i<=subsets;i++)

{

ll denom=1ll;

ll setBits=\_\_builtin\_popcount(i);

for(ll j=0;j<=7;j++)

{

if(i&(1<<j))

{

denom=denom\*primes[j];

}

}

if(setBits&1)

{

ans=ans+(n/denom);

}

else

ans=ans-(n/denom);

}

cout<<ans<<"\n";

}

return 0;

}