

```

1  #include <iostream>
2
3  using namespace std;
4  int fun ()
5  {
6      float sum = 0;
7      float sum_multiplied_by_flour;
8      int no_terms = 0 ;
9      int i = 1 ;
10     int sign = 1 ;
11     do
12     {
13         sum += (1.0/ i)*sign ;
14         sum_multiplied_by_flour = sum * 4 ;
15         sign = sign *-1 ;
16         i+=2;
17         no_terms ++ ;
18     }
19     while (sum_multiplied_by_flour < 3.14159);
20     return no_terms ;
21 }
22
23 int main()
24 {
25     cout << fun()<<endl;
26     return 0;
27 }
28

```