Chef has infinite coins in denominations of rupees 5 and rupees 10.

Find the **minimum** number of coins Chef needs, to pay **exactly** X rupees.

If it is impossible to pay X rupees in denominations of rupees 5 and 10 only, print -1.

Input Format

- First line will contain T, number of test cases. Then the test cases follow.
- Each test case contains of a single integer X.

Output Format

For each test case, print a single integer - the **minimum** number of coins Chef needs, to pay **exactly** X rupees.

If it is impossible to pay X rupees in denominations of rupees 5 and 10 only, print -1.

Sample 1:

Input	Output
3	5
50	2
15	-1
8	

Explanation:

Test Case 1: Chef would require at least 5 coins to pay 50 rupees. All these coins would be of rupees 10.

Test Case 2: Chef would require at least 2 coins to pay 15 rupees. Out of these, 1 coin would be of rupees 10 and 1 coin would be of rupees 5.

Test Case 3: Chef cannot pay exactly 8 rupees in denominations of rupees 5 and 10 only.

```python
# Update the code below to solve the problem

t = int(input())
for i in range(t):
    x = int(input())
    if x%10 == 0:
        print(x//10)
    elif x%5 == 0:
        print(x//10+1)
    else:
        print(-1)
```

Test against Custom Input

```
3
50
15
8
```

Input