Exercise 1

Americans are odd people: in their buildings, the first floor is actually the ground floor and there is no 13th floor (due to superstition).

Write a function that given a floor in the american system returns the floor in the european system.

With the 1st floor being replaced by the ground floor and the 13th floor being removed, the numbers move down to take their place. In case of above 13, they move down by two because there are two omitted numbers below them.

Basements (negatives) stay the same as the universal level.

Examples

```
1  =>  0
0  =>  0
5  =>  4
15 =>  13
-3 =>  -3
```

Exercise 2

Nathan loves cycling.

Because Nathan knows it is important to stay hydrated, he drinks 0.5 litres of water per hour of cycling.

You get given the time in hours and you need to return the number of litres Nathan will drink, rounded to the smallest value.

Examples

```
time = 3 ----> litres = 1

time = 6.7---> litres = 3

time = 11.8--> litres = 5
```

Exercise 3

The first century spans from the year 1 up to and including the year 100, The second - from the year 101 up to and including the year 200, etc.

Given a year, return the century it is in.

```
1705 --> 18
1900 --> 19
1601 --> 17
2000 --> 20
```