

## POW – Problem of the week

### Week 6

#### Problem of the week for class 1-5

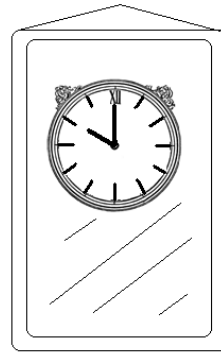
##### The old clock in the mirror

When I look in the mirror I can see the old clock on the opposite wall. It has no numbers on it, only marks.

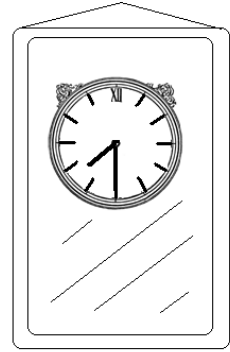
One day I looked in the mirror, and in the mirror it looked like ten o'clock.

I went for a good long walk with the dog.

When I came home I looked in the mirror again, and then it looked like half past seven.



*when I left -*



*- when I came back*

Can you change the “mirror-time” into “real time” and tell me the time I left and when I came back ?

For how long time was I out walking?

#### Problem of the week for class 6-10

9 pair of students

In the class, there are 18 students.

The teacher gives everybody a number from 1-18.

The teacher asks them to find a partner so that when they add their numbers together – they will get a square number (for ex: 7 and 2 might go together because  $2+7 = 9$ , a square number . . . others are 16, 25, etc).

How will the class solve this if no one should be left alone?