



DEPARTMENT OF MATHEMATICS

PUZZLES II

Man fell in well Puzzle

A man fell in a **50m** deep well. He climbs **4 meters** up and slips **3 meters** down in one day. How many days would it take for him to come out of the well?

Answer: 47days

Explanation:

- On the first day, the man climbs **4 meters** up and slips **3 meters** down, therefore he only climbs **1 meter** up totally.
- On the second day, again he climbs **1 meter** up, so the total distance climbed is **2 meters** till the second day. Therefore, the man climbs 1 meter every day.

Now as per the above pattern, on the **46th day**, he must have climbed 46 meters.

So on the **47th day**, he climbs full (46 + 4) 50 meters and after that, he will not slip as he is already out of the well so the answer is **47 days**.