The best guessing strategy is guessing from the middle and breaking it down halves, which is taking the floor division of mean. Depend on the information given after guessing is whether it was too high or too low, continuing guessing from the middle of the half that the value may fall into (e.g. if the message was "You guessed too high!", choose the lower half and continue to break it into two equal parts) and gradually getting the closest value until achieving the right value.