Psuedo Code (REXX)

Task A

Guess the Number Game

B. Patterson-Morris

\* Invoke option for Random function \*

CALL RANDOMIZE

\* Generate number between 1 and 15 \*

random\_number = RANDOM(1, 15)

\* Set number of chances to pick correct number \*

chances = 3

\* Create container to track correct guesses \*

correct\_guess = 0

\* Loop for guessing up to 3 times and get user input and place in container \*

DO WHILE chances > 0

SAY "Pick a number between 1 and 15:"

PARSE PULL guess

/\* Convert guess to a number in case entered as char\*/

guess = NUM(guess)

/\* Check if guess is correct \*/

IF guess = random\_number THEN DO

SAY "You guessed the correct number!"

correct\_guess = 1

LEAVE

END

/\* If incorrect guess \*/

ELSE DO

chances = chances - 1

IF chances > 0 THEN

SAY "Incorrect. You have "chances " chances left."

ELSE

SAY "You've run out of chances. The number was "random\_number ". "

END

END

/\* End of game if correct number is not guessed in allotted chances \*/

IF correct\_guess = 0 THEN

SAY "Maybe next time!"

SAY "Game over."