

MATH GAME USING PYTHON

SOURCE CODE:

```
import random

import operator

def random_problem():

    operators = {

        '+': operator.add,

        '-': operator.sub,

        '*': operator.mul,

        '/': operator.truediv,

    }

    num_1 = random.randint(1, 10)

    num_2 = random.randint(1, 10)

    operation = random.choice(list(operators.keys()))

    answer = operators.get(operation)(num_1, num_2)

    print(f'What is {num_1} {operation} {num_2}')
```

return answer

```
def ask_question():

    answer = random_problem()

    guess = float(input('Enter you answer: '))

    return guess == answer

def game():

    score = 0

    while True:

        if ask_question() == True:

            score += 1

            print('Correct !')

        else:

            print('Incorrect')

            break

    print(f'===== Game Over =====\nYou score is {score}\nKepp going!')

game()
```

OUTPUTS:

```
Output
What is 2 * 2
Enter you answer: 4
Correct !
What is 5 - 5
Enter you answer: 0
Correct !
What is 10 / 5
Enter you answer: 2
Correct !
What is 3 * 8
Enter you answer: 24
Correct !
What is 2 / 2
Enter you answer: 1
Correct !
What is 6 * 6
Enter you answer: 36
Correct !
What is 1 - 8
Enter you answer: -7
Correct !
What is 9 - 1
Enter you answer: 8
Correct !
What is 1 * 7
Enter you answer: 1
Incorrect
===== Game Over =====
You score is 8
Kepp going!
```

```
Output
What is 7 / 2
Enter you answer: 3
Incorrect
===== Game Over =====
You score is 0
Kepp going!

=== Code Execution Successful ===
```