

- 1) Find the largest integer less than or equal to a number.
- 2) Find the difference between two numbers.
- 3) Calculate the product of two numbers.
- 4) Calculate the quotient of two numbers.
- 5) Calculate the remainder of a division operation.
- 6) Find the greatest common divisor of two numbers.
- 7) Find the least common multiple of two numbers.
- 8) Calculate the factorial of a number.
- 9) Generate a random number between 0 and 1.
- 10) Generate a random integer within a range of numbers.

Exercises and solution

- 1) Find the largest integer less than or equal to a number:

```
import math
num = 3.6
result = math.floor(num)
print(result)
```

- 2) Find the difference between two numbers:

```
num1 = 10
num2 = 5
result = num1 - num2
print(result)
```

- 3) Calculate the product of two numbers:

```
num1 = 5
num2 = 7
result = num1 * num2
print(result)
```

- 4) Calculate the quotient of two numbers:

```
num1 = 10
num2 = 5
result = num1 / num2
print(result)
```

5) Calculate the remainder of a division operation:

```
num1 = 10
num2 = 3
result = num1 % num2
print(result)
```

6) Find the greatest common divisor of two numbers:

```
import math
num1 = 24
num2 = 36
result = math.gcd(num1, num2)
print(result)
```

7) Find the least common multiple of two numbers:

```
import math
num1 = 3
num2 = 5
result = (num1 * num2) / math.gcd(num1, num2)
print(result)
```

8) Calculate the factorial of a number:

```
import math
num = 5
result = math.factorial(num)
print(result)
```

9) Generate a random number between 0 and 1:

```
import random
result = random.random()
print(result)
```

10) Generate a random integer within a range of numbers:

```
import random  
result = random.randint(1, 10)  
print(result)
```