

To find the area of a triangle given the lengths of its sides, we can use Heron's formula. The formula is as follows: $\text{Area} = \sqrt{s(s-a)(s-b)(s-c)}$, where a , b , and c are the lengths of the sides and $s = (a+b+c)/2$. Here is a simple Python code snippet to calculate the area: ```python

```
# Define the function to calculate the area
```

```
def calculate_area(a, b, c):
```

```
    # Calculate semi-perimeter
```

```
    s = (a + b + c) / 2
```

```
    # Calculate the area using Heron's formula
```

```
    area = (s*(s-a)*(s-b)*(s-c)) ** 0.5
```

```
    return area
```

```
# Example usage:
```

```
side_a = 3
```

```
side_b = 4
```

```
side_c = 5
```

```
area = calculate_area(side_a, side_b, side_c)
```

```
print(f'The area of the triangle is: {area}')
```