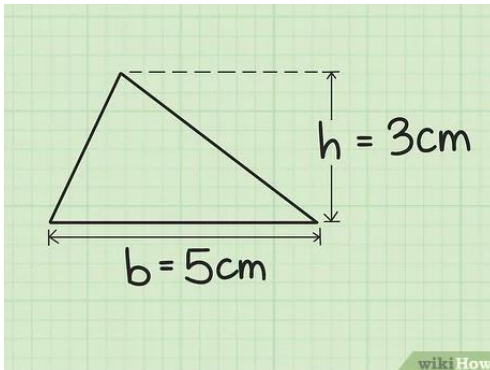


Exercise 1

Develop a program to calculate the area of a triangle



$$\text{area} = (\text{base} \times \text{height}) \div 2$$

Example:

$$\begin{aligned}\text{area} &= (3\text{cm} \times 5\text{cm}) \div 2 \\ &= 15\text{cm} \div 2 \\ &= 7.5\text{cm}\end{aligned}$$

Hints

1. Declare variables: area, base, and height
2. **Input:** base and height
3. **Process:** calculate the area using the formula above and assign the value to area variable
4. **Output:** Print out the area with a proper statement

Sample

1. Declare variables

```
area = 0
```

```
base = 0
```

2. Input: get the base using input function

print title for user to understand the purpose of this program

```
print("Calculate Triangle Area")
```

```
base = float(input("What is the side value in cm: "))
```

3. Process: calculate the area

```
area = base * side
```

4. Output: print the area

```
print("The area is the square is", area)
```

Blue is functions, Plum is variables, Red is math operator