

Shape	Pseudocode	Flowchart
Rectangle	<pre>input L, W  if ((L &gt; 0) and (W &gt; 0)) then {      A = L * W     P = (2 * L) + (2 * W)      output("Area", A)     output("Perimeter", P)  } else then {      output("Invalid input. Please try again.")  }</pre>	<pre>graph TD     Start([start]) --&gt; Input[input L, W]     Input --&gt; Decision{if ((L &gt; 0) and (W &gt; 0))}     Decision -- No --&gt; OutputInvalid[output("Invalid input. Please try again.")]     OutputInvalid --&gt; End1([end])     Decision -- Yes --&gt; ACalc[A = L * W]     ACalc --&gt; PCalc[P = (2 * L) + (2 * W)]     PCalc --&gt; OutputArea[output("Area", A)]     OutputArea --&gt; OutputPerim[output("Perimeter", P)]     OutputPerim --&gt; End2([end])</pre>

Triangle

input a, b, c

```
if ((a > 0) and (b > 0) and (c > 0)) then {
```

```
    s = (a + b + c) / 2.0
```

```
    A = sqrt(s*(s-a)*(s-b)*(s-c))
```

```
    P = a + b + c
```

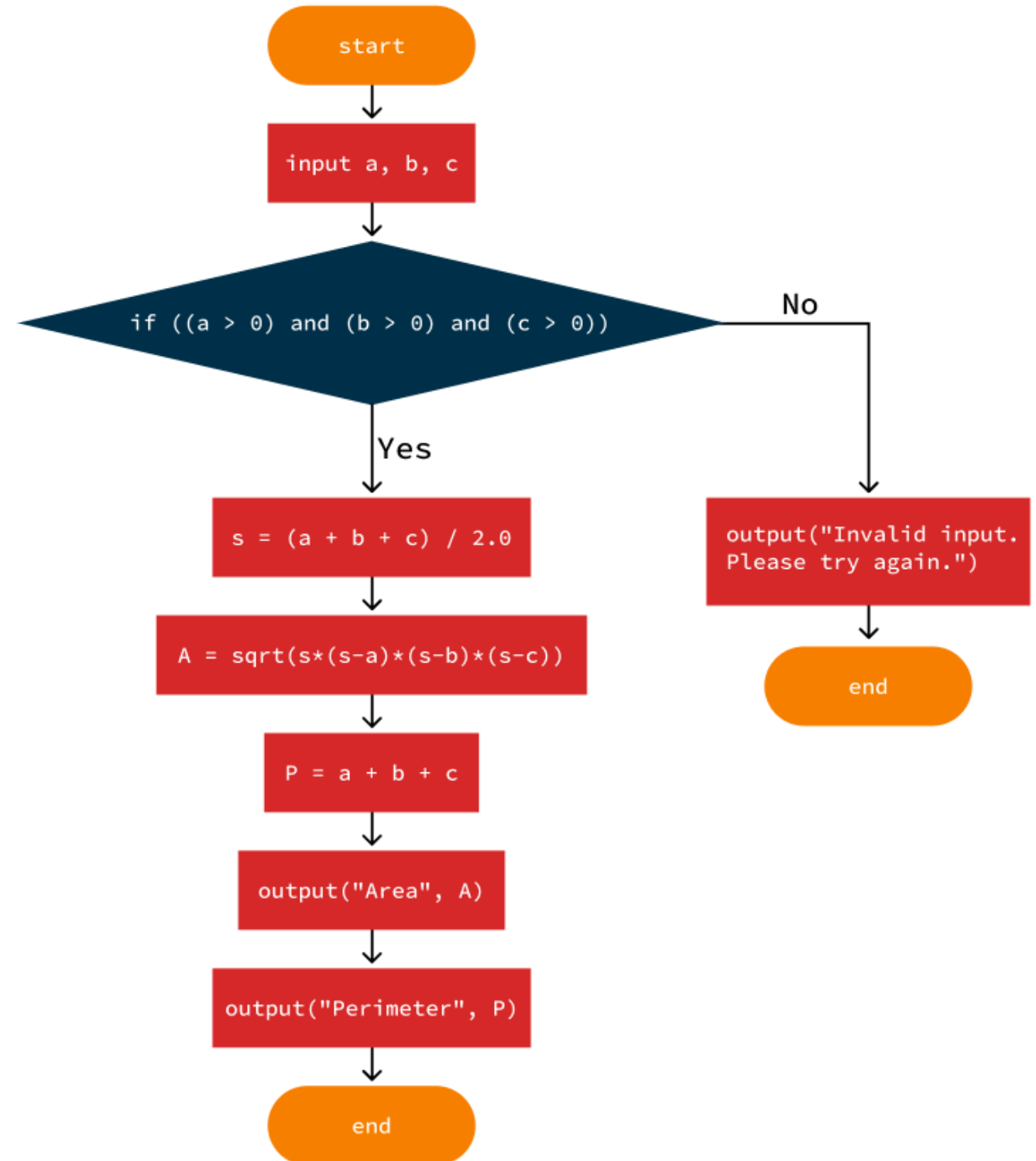
```
    output("Area", A)
```

```
    output("Perimeter", P)
```

```
} else then {
```

```
    output("Invalid input. Please try again.")
```

```
}
```



Circle

```
input r
set const PI = 3.14159265

if (r > 0) then {
    A = PI * (r * r)
    C = 2 * PI * r

    output("Area", A)
    output("Circumference", C)
} else then {
    output("Invalid input. Please try again.")
}
```

