

→ Algorithm to find the twice and square of a number

1. Start
2. ~~num~~ num \leftarrow read()
3. Set twice \leftarrow num * 2
4. Set sqr \leftarrow num * num
5. Print (twice)
6. Print (sqr)
7. stop

→ Algorithm to find the sum and average of 3 numbers

1. Start
2. num1 \leftarrow read()
3. num2 \leftarrow read()
4. num3 \leftarrow read()
5. ~~num~~ Set Sum \leftarrow num1 + num2 + num3
6. Set Avg \leftarrow Sum / 3
7. Print (sum)
8. Print (Avg)
9. stop

→ Algorithm to find the area and perimeter of circle

1. start
2. radius \leftarrow read()
3. Set area \leftarrow pi * (radius * radius)
4. Set perimeter \leftarrow 2 * pi * radius
5. Print (area)
6. Print (perimeter)
7. stop

→ Algorithm to find Area of triangular if it given 3 sides

1. start
2. side1 \leftarrow read()
3. side2 \leftarrow read()
4. side3 \leftarrow read()
5. Set Perimeter \leftarrow ~~read~~ side1 + side2 + side3
6. Set $s \leftarrow \frac{\text{Perimeter}}{2}$
7. Set area $\leftarrow \sqrt{s \cdot (s - \text{side1}) \cdot (s - \text{side2}) \cdot (s - \text{side3})}$
8. Print (area)
9. stop

→ find out amount payable for a loan

1. start

2. $P \leftarrow \text{read}()$

3. $r \leftarrow \text{read}()$

4. $n \leftarrow \text{read}()$

5. set $A \leftarrow P * ((1 + (r/100))^{n+1})$

6. Print (A)

7. stop

→ find sum of 3 digit number

1. start

2. $\text{num} \leftarrow \text{read}()$

3. set $\text{digit 1} \leftarrow \text{num} \% 10$

4. set $\text{num} \leftarrow \text{floor}(\text{num}/10)$

5. set $\text{digit 2} \leftarrow \text{num} \% 10$

6. set $\text{num} \leftarrow \text{floor}(\text{num}/10)$

7. set $\text{sum} \leftarrow \text{num} + \text{digit 1} + \text{digit 2}$

8. Print (sum)

9. stop