**Flowcharts.**

* Arithmetic problems

1. Flowchart for addition of two numbers

Start

Declare variables num1, num2, sum

Read num1 and num2

sum = num1 + num2

print sum

End

1. Flowchart for area of a circle

Start

Declare variables pi=3.14, radius, area

Read radius

area = pi \* radius \* radius

display area

End

* Decision Making Problems

1. Flowchart for finding Greatest of 3 numbers

Start

Declare variables A, B,C

Read A, B and C

If A>B

No Yes

If A>C

No Yes

If B>CB

Yes No

Print ‘B’ is the Largest number

Print ‘C’ is the Largest number

Print ‘A’ is the Largest number

End

1. Flowchart for checking if a number is prime or not

Start

Declare variable n, i

Read n

i=2

i<n

No

Yes

n%i==0

Yes

i==n

No Yes No

i=i+1

Print “No. is not Prime”

Print “No. is Prime”

End

* Looping Problems

1. Flowchart for printing first N numbers

Start

Declare variable n, i

Read n

i=1

i>n?

Yes No

Print i

End

i=i+1

1. Flowchart to add first N numbers

Start

sum=sum+i

i=i+1

Read n

Declare variable n, i=1, sum=0

i<=n?

Yes

Print sum

End

No