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BSTM 191-HRO 191 PROGCON

AREA OF A CIRCLE RADIUS AND DIAMETER FLOWCHART

Start

Is this Radius?

Yes

Input Radius

No

Real Radius

Is this Diameter?

Yes

Input Diameter

Real Area

Real Diameter

No

Real Circumference

Real Radius

Real Phi

Real Circumference

Radius= 6^2

Diameter = 5

Area= 3.1415\*6^2

Start Calculating with Radius?

Yes

Diameter= 2 \* 6^2

Phi= 3.1415

Circumference =

3.14 \* 2 \* 6 ^ 2

^

6

Circumference =

2 \* 3.1415\* 36

No

Output Print Area 113, Circumference 226

Output Print Diameter 72, Circumference 228

Stop

Procedure

Area of the circle in radius and diameter

1. Input Radius and Diameter

2. Square the Radius

3.Find Pi

4.Multiply Pi into Radius^2

5. Find the Circumference of 2 multiplied by Pi multiplied into Radius

6. Output Area and Circumference

7. Set Diameter

8.Find Diameter Multiply by 2

9. Find Circumference by 3.14 multiplied by Diameter

10. output Diameter and Circumference

Flowchart

Start

Input number 1 and

number 2

Sum of 3 = number 1 + number 2

Output sum of number 1 and number 2

Stop