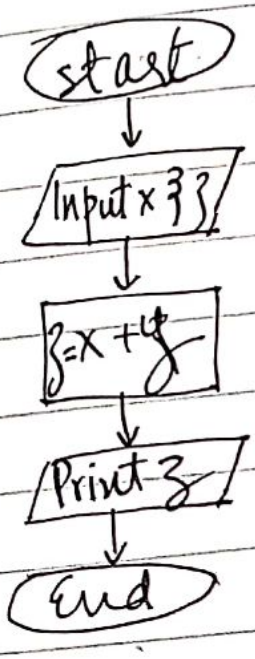
Add 10 and 20

| PAC | Data | Procen | output |
|---|---|---|---|
| | Input x y | x+y=z | print z |

| IPO | Input | Procen | Module | Output |
|---|---|---|---|---|
| | Read x y | x+y=z | A1 ~~print z~~ | print z |

Flow chart

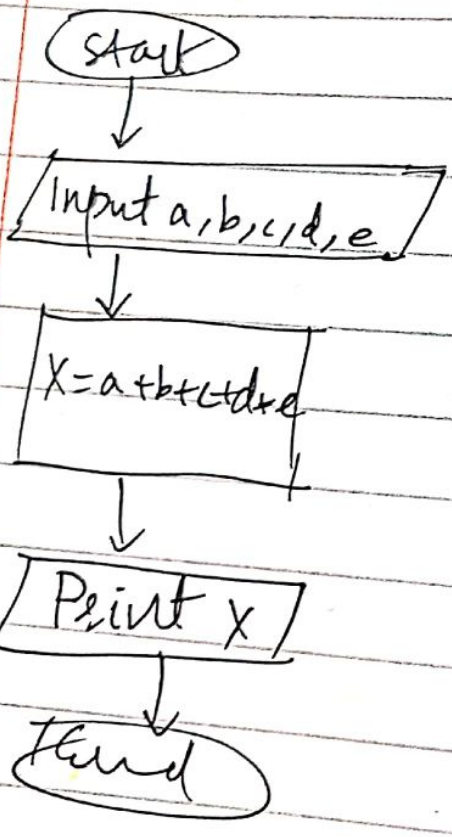



Start
Read x, y
Calculate z=x+y
Print z
End

✓ Find the sum of 5 numbers.

| PAC | Input | Process | Output |
|---|---|---|---|
| | Input a, b, c, d, e | a+b+c+d+e=X | Print X |

| IPO | Input | Process | Module | Output |
|---|---|---|---|---|
| | Read a, b, c, d, e | a+b+c+d+e=X | A01 | Print X |

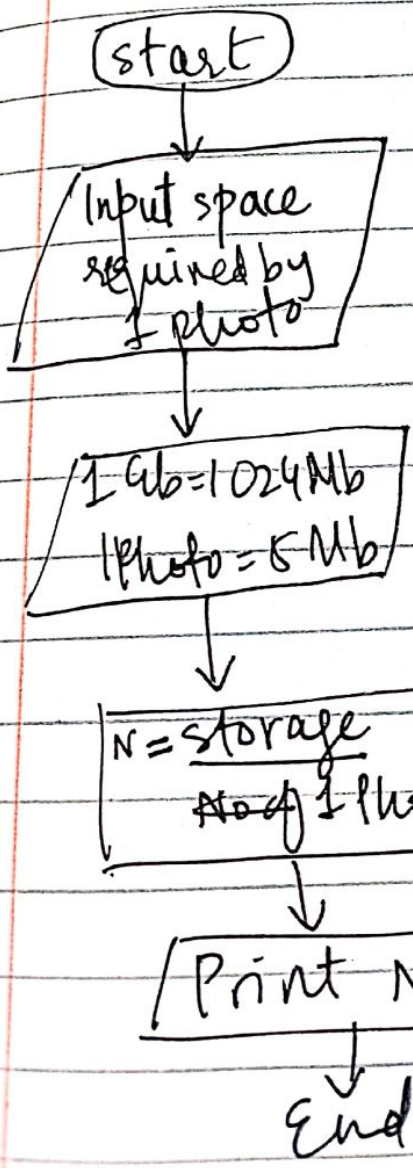



Start
Read a, b, c, d, e
Calculate X=a+b+c+d+
Print X
End

✓ An HD 720p photo takes up 5 Mb space on a memory card. How many photos can be stored on a 1 Gb card?

| PAC | Input | Process | Output |
|---|---|---|---|
| | 1Gb = 1024Mb<br>1 Photo = 5Mb<br>Read space needed | storage / one Photo = No of Photos | Print No of photos. |

| IPO | Input | Process | Module | Output |
|---|---|---|---|---|
| | Read space required by 1 photo | storage / 1 photo = No of photos | A01 | Print no of Photos. |

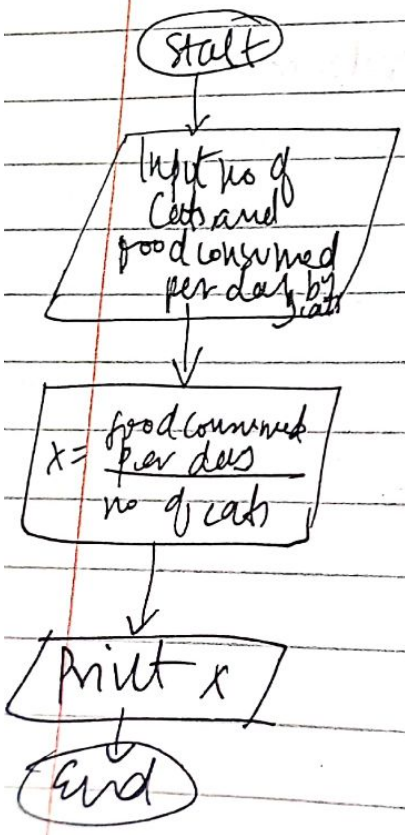



Start
Read P
Read 1 Photo = 5 Mb
Read total storage = 1024
Calculate N = P / Total storage
Print N
End

✓ Ali wants to calculate the amount of cat-food he should purchase for each month. He has 3 cats and each cats eats 500 gm in 5 days

| PAC | Data | Process | Output |
|---|---|---|---|
| | Read no of cats.<br>food consumed per day by cats | food consumed per days / no of cats = x | Print x |

| IPO | Input | Process | Module | Output |
|---|---|---|---|---|
| | Read no of cats<br>Read food consumed per day per cat | food consumed per day / no of cats = x | A1<br>A2 | Print x |

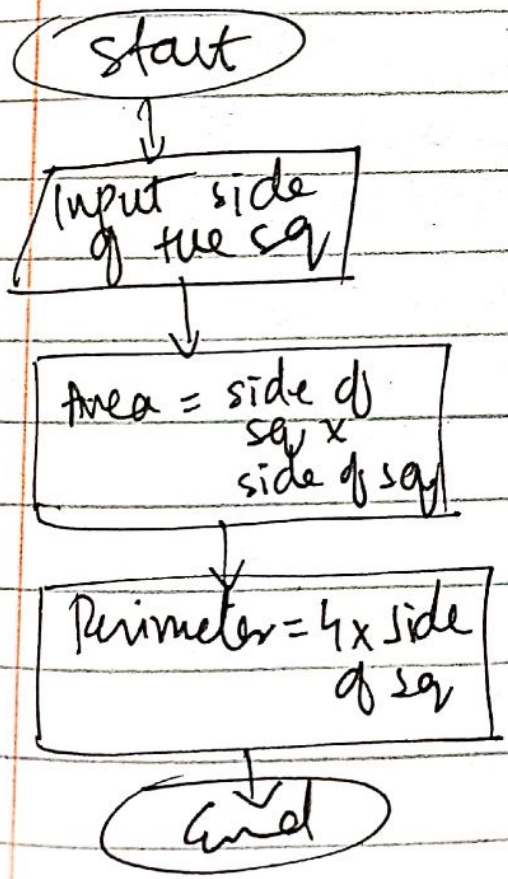



Start
Read no of cats & food consumed per day by cats
Calculate food consumed per day by cats / no of cats =
Print x
End

Find the area and perimeter of a square-

| PAC Data. | Process | Output |
|---|---|---|
| Read the sided the square | Area = side of square x side of square<br>Perimeter = 4 x side of square | Print Area & Perimeter |

| IPO Input. | Procen | Module | Output |
|---|---|---|---|
| Read one side of the square | 1 Area = side of sided the sq x the sq | A1 | Print Area |
| | 2 Perimeter = 4 x side of sq | P1 | Print Perimeter |

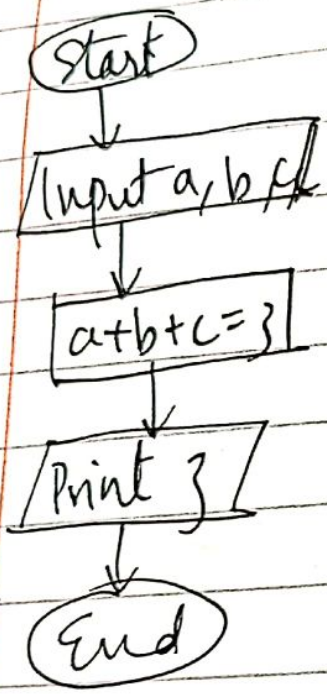



Start
Input side of the sq
Calculate A = side of sq x side of sq
Calculate P = 4 x side of sq
End

Avg of 3 numbers.

| | | | |
|---|---|---|---|
| PAC | Data<br>Read a,b,c | Procen<br>a+b+c=3 | Output<br>Input 3 |

| | | | | |
|---|---|---|---|---|
| IPO | Input<br>Read a,b,c | Procen<br>a+b+c=3 | Module<br>B1 | output<br>Input 3 |

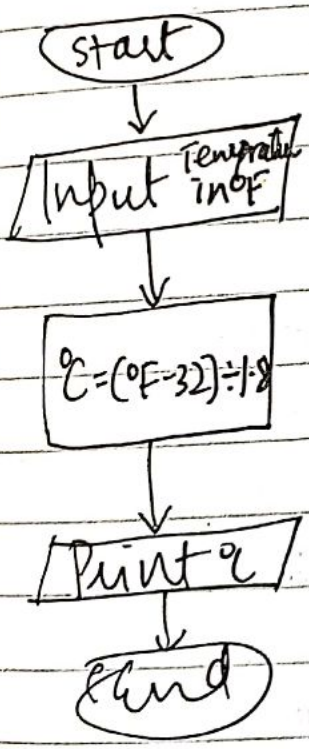



Start
Read a,b,c
Calculate 3=a+b+c
Print c
End

# Temprature convest from F to °C.

| PAC Data | Procen | Output |
|---|---|---|
| Read temprature in F | °C = (°F - 32) ÷ 1.8 | Print C |

| IPO Input | Procen | Module | Output |
|---|---|---|---|
| Read temprature in °F | °C = (°F - 32) ÷ 1.8 | C1 | print °C |




Start
Read Temprature in °F
Calculate °C = (°F - 32) ÷ 1.8
Print °C
End