Flowchart for Math Tutor

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Purpose: Math Tutor for Addition, Subtraction, Multiplication, Division

System Libraries
iomanip

User Libraries
iostream, ctime, cstdlib

Global Constants
None

Function Prototypes

(A)

main
Math Tutor

Declare
num1,num2, ans,sol,prob

Output the menu
Input the choice

(B)

Problem 1
Addition
choice='1'
— True →
num1=rand()%900+100,
num2=rand()%1000;
sol = num1 + num2

Problem 2
Substraction
choice='2'
— True →
num1=rand()%900+100,
num2=rand()%1000;
sol = num1 - num2

Problem 3
Multiplication
choice='3'
— True →
num1=rand()%900+100,
num2=rand()%1000;
sol = num1 x num2

Problem 4
Division
choice='4'
— True →
num1=rand()%900+100,
num2=rand()%1000;
prod=num1*num2;
num1=prod;
sol = num1 / num2

(B)

choice>='1' &&
choice<='4'
— True →

Exit

return
0