**ARITHMETIC FLOW**

(Start)

|

[Input: Enter first integer]

|

[Input: Enter second integer]

|

[Calculate sum = integer1 + integer2]

|

[Calculate product = integer1 \* integer2]

|

[Calculate difference = integer1 - integer2]

|

[Decision: Is integer2 == 0?]

/ \

Yes No

/ \

[Print: "Cannot [Calculate quotient = integer1 / integer2]

divide by zero"] |

\ [Print quotient]

\ /

(Merge here)

|

[Print: sum, product, difference]

|

(End)

**COMPARING FLOW**

(Start)

|

[Input: Enter first integer]

|

[Input: Enter second integer]

|

[Decision: Is integer1 > integer2?]

/ \

Yes No

/ \

[Print: [Decision: Is integer2 > integer1?]

integer1 + / \

" is larger"] Yes No

/ \

[Print: [Print: "These numbers are equal."]

integer2 +

" is larger"]

|

(Merge here)

|

(End)

**PSUDO CODE**

# Arithmetic

BEGIN

PROMPT user to "Enter the first integer:"

READ integer1

PROMPT user to "Enter the second integer:"

READ integer2

SET sum = integer1 + integer2

SET product = integer1 \* integer2

SET difference = integer1 - integer2

SET quotient = integer1 / integer2 (assuming integer division)

PRINT "Sum is: " + sum

PRINT "Product is: " + product

PRINT "Difference is: " + difference

IF integer2 is not 0 THEN

PRINT "Quotient is: " + quotient

ELSE

PRINT "Cannot divide by zero."

END

# Coparing

BEGIN

PROMPT user to "Enter the first integer:"

READ integer1

PROMPT user to "Enter the second integer:"

READ integer2

IF integer1 > integer2 THEN

PRINT integer1 + " is larger."

ELSE IF integer2 > integer1 THEN

PRINT integer2 + " is larger."

ELSE

PRINT "These numbers are equal."

END