**Flowchart 1:**

**A blue sign with white text

Description automatically generated**

Receive

Is package SET to “fragile”?

Deliver

Print packages

Receive

Start

­­

Read package

Exit

No

Yes

Sort with fragile packages

Is package SET to “urgent”?

Sort with non-fragile packages

Sort with non -urgent packages

No

Yes

1

Sort with urgent packages

1

End

Deliver

1

**Flowchart 2:**

Start

Read product

Is input “valid”?

NO

Yes

2

Is payment “sufficient”?

Read payment

2

No

Yes

End

Print product

**Pseudocode 1:**

START

INPUT Num1, Num2, Num3

IF Num1 < Num2 AND Num1 < Num3

PRINT Num1, “is smallest.”

ELSEIF Num2 < Num1 AND Num2 < Num3

PRINT Num2, “is smallest.”

ELSE

PRINT Num1, “is smallest.”

END

**Pseudocode 3:**

START

INPUT Num1, Num2, Operator

IF Operator SET to ‘\*’

PRINT Num1 \* Num2

ELSEIF Operator SET to ‘/’

PRINT Num1 / Num2

ELSE

PRINT “Invalid operator”

END

**Algorithm 1:**

1) Ask the user to enter number

2) SET loop to x

3) Loop from 2 to (number – 1)

4) If the remainder of number / x is 1 throughout,

5) Then Display number as prime

6) Else display number as not prime

**Algorithm 2:**

1) Ask the user to enter day number

2) If day number > 365 or day number < 1,

3) Then display to the user that the day number is invalid

4) Find the remainder of (day number / 7)

5) Cases:

6) Remainder as (1, 2, 3, 4, 5, 6, 0) is (“Monday”, “Tuesday”, “Wednesday”, “Thursday”, “Friday”, “Saturday", “Sunday”)

7) Display the appropriate day of the week

**Algorithm 3:**

1) Ask the user to enter two numbers

2) If number1 > number2,

3) Then SET number1 as greater and number2 as smaller

4) Else SET number 2 as greater and number1 as smaller

5) If the remainder of greater / smaller is 0,

6) Then display smaller as GCD

7) Else SET greater as smaller and smaller as remainder

8) repeat steps 5 to 7 until remainder is 0

9) Display smaller as GCD