UNDERSTANDING INSTRUCTIONS WITH AND-OR
Work Sheet: 03-ALG-08-WS

CSpathshala
Bringing computational thinking to schools

1. Into which basket will the following go – A, B, C or D? Can you write the conditionals?

Orange –	Ladies finger –	Banana –
Watermelon –	Lotus –	Dahlia –
Spinach –	Wheat –	Rice –
Corn –	Rose –	Cabbage –

A	B	C	D
[veggies]	[flowers]	[fruits]	[grains]
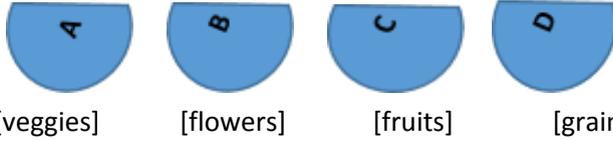
2. Here are the marks of children. Can you find out their grade by following the rules below?

	Maths marks	Grade??
Keerti	80	
Pranav	78	
Anubhav	88	
Ravi	47	
Suman	62	
Bharat	20	
Amita	91	
Sara	84	
Ganesh	70	

Rules:
1. IF (marks < 40)
   Grade is F
2. IF (marks >= 40 AND marks < 60)
   Grade is C
3. IF (marks >= 60 AND marks < 80)
   Grade is B
4. IF (marks >= 80)
   Grade is A

3. Look at the conditionals below and write the output for the given input.

(i) IF (number is even)
   Output = number X 100
(ii) IF (number ends with 5)
   Output = number + 100
(iii) For all the other numbers
   Output = number X 2

Name: **Class:**   **Div:**   **Roll. No:**

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Input	Output
8	
13	
42	
15	
37	
21	
55	
48	

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