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 –	Chili powder –	Turmeric powder –
Spinach –	Wheat –	Rice –
Corn –	Cinnamon powder –	Cabbage –

A   B   C   D

[veggies]   [spices]   [fruits]   [grains]

2. Here are the marks of 4 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:
   a) IF (marks > 85)
      Grade is A
   b) IF (marks < 50)
      Grade is F
   c) IF (marks are from 50 to 65)
      Grade is D

   d) IF (marks are from 66 to 75)
      Grade is C
   e) IF (marks are from 76 to 85)
      Grade is B

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

3. There are many chits in a box. Each chit has a number written on it. Teacher takes chits from the box one by one. Depending on the number written on the chit, one of the teams gets points!

IF *number is even and less than 100*
       Team A gets 10 points
ELSE IF *number is odd and less than 100*
       Team B gets 15 points
ELSE IF *number is odd and more than 100*
       Team A gets 15 points
ELSE
       Team B gets 10 points

Teacher pulls the following numbers: write down the points and find out which team's total is more and who wins!!

Number	Team A	Team B
10		
433		
560		
25		
108		
77		
265		
1000		

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

IF (number is even)
Output number X 100

ELSE IF (number is odd) AND (number < 25)
        Output number + 100
ELSE
        Output number X 2

Input	Output
8	
13	
42	
11	
37	
21	
50	
49	

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