



CLASS 10
Holiday Homework

SUB: INFORMATION TECHNOLOGY (402)

1. Do the following questions in Open Office Calc

Q1 A student tracks his final exam grades in school using a spreadsheet shown in the image below. So far he has received all grades for each subject except the one marked with a question mark

Subject	Grade
Math	74
Language	85
Science	40
Physical Edu	65
French	35
Music	82
Arts	55
Information Technology	?
Average	62,29

Currently the average grade is 62 but he needs at least a 65 to pass the class. What is the minimum score he must achieve in the Information Technology exam in order to pass the class?

Q 2 Let's assume that all our data on the same worksheet and the data is arranged in simple tables, one below the other. First of all create a table below the other tables that will contain the consolidated data.

	A	B	C	D	E	F	G
1							
2		2004	Jan	Feb	Mar	Apr	
3		Region 1	10	20	30	40	
4		Region 2	10	20	30	40	
5		Region 3	10	20	30	40	
6							
7							
8		2005	Jan	Feb	Mar	Apr	
9		Region 1	10	10	10	10	
10		Region 2	20	20	20	20	
11		Region 3	30	30	30	30	
12							
13							
14		Total	Jan	Feb	Mar	Apr	
15		Region 1					
16		Region 2					
17		Region 3					
18							

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Q 3 Create data on the score of different houses as given the screenshot below.

	A	B	C	D	E
1	HouseName	ClassGroup	Activity 1	Activity 2	Activity 3
2	Blue House	I to III	78	89	96
3	Green house	I to III	76	54	84
4	Red House	I to III	91	78	87
5	Yellow House	I to III	90	98	99
6	Blue House	IV n V	75	87	69
7	Green house	IV n V	88	99	75
8	Red House	IV n V	88	66	76
9	Yellow House	IV n V	80	70	60

	A	B	C	D	E
1	HouseName	ClassGroup	Activity 1	Activity 2	Activity 3
2	Blue House	I to III	78	89	96
3	Green house	I to III	76	54	84
4	Red House	I to III	91	78	87
5	Yellow House	I to III	90	98	99
6		I to III Total	335	319	366
7	Blue House	IV n V	75	87	69
8	Green house	IV n V	88	99	75
9	Red House	IV n V	88	66	76
10	Yellow House	IV n V	80	70	60
11		IV n V Total	331	322	280
12		Grand Total	666	641	646

Q 4. The widget production company is planning to make a overall profit of 8910 from 6100. Create a solution to make 8910 profit by following the constraints given.

	A	B	C	D
1	<i>Product</i>	<i>Quantity</i>	<i>Profit Per Widget</i>	<i>Overall Profit</i>
2	<i>Widget A</i>	200	10	2000
3	<i>Widget B</i>	50	16	800
4	<i>Widget C</i>	100	33	3300
5		350		6100

Constraints:

Here are a couple of constraints that you need to consider while trying to maximize the profit.

- i. At least 100 Quantity of Widget A should be made.
- ii. At least 20 Quantity of Widget B should be made.
- iii. At least 50 Quantity of Widget C should be made.
- iv. A total of 350 widgets should be made.