

**Course
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Self-Made Assignment - MS Excel

Use of Fact, Power, Quotient and Mod Function in MS Excel

Dataset:

Product Name	Units in Stock	Units per Box	Total Packages (QUOTIENT)	Leftover Units (MOD)	Warehouse Section (POWER)
Rice Bags	350	20	=QUOTIENT(B2,C2) → 17	=MOD(B2,C2) → 10	=POWER(2,2) → 4
Sugar Packets	480	25	?	?	?
Wheat Flour	520	30	?	?	?
Cooking Oil	275	12	?	?	?
Tea Packets	600	15	?	?	?
Soap Bars	850	40	?	?	?
Shampoo Bottles	390	18	?	?	?
Toothpaste Tubes	430	22	?	?	?
Detergent Powder	740	35	?	?	?
Coffee Jars	225	10	?	?	?
Biscuits Packets	900	50	?	?	?
Chocolates	1050	45	?	?	?
Instant Noodles	580	28	?	?	?
Breakfast Cereals	670	32	?	?	?
Spices Bottles	345	15	?	?	?

Tasks:

Calculate Total Packages:

Use the QUOTIENT() function to calculate how many **full boxes** can be packed for each product.

Find Leftover Units:

Use the MOD() function to determine the **leftover stock** that doesn't fit in a full box.

Determine Warehouse Sections:

Each warehouse section is allocated using POWER(2, Row Number). Apply the POWER() function to find the warehouse section number.



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Resultant Dataset:

Product Name	Units in Stock	Units per Box	Total Packages (QUOTIENT)	Leftover Units (MOD)	Warehouse Section (POWER)
Rice Bags	350	20	17	10	4
Sugar Packets	480	25	19	5	8
Wheat Flour	520	30	17	10	16
Cooking Oil	275	12	22	11	32
Tea Packets	600	15	40	0	64
Soap Bars	850	40	21	10	128
Shampoo Bottles	390	18	21	12	256
Toothpaste Tubes	430	22	19	12	512
Detergent Powder	740	35	21	5	1024
Coffee Jars	225	10	22	5	2048
Biscuits Packets	900	50	18	0	4096
Chocolates	1050	45	23	15	8192
Instant Noodles	580	28	20	20	16384
Breakfast Cereals	670	32	20	30	32768
Spices Bottles	345	15	23	0	65536

