

# Cell Supply Calculator



A tool for calculating  
supplies for CHWs

# How to use the calculator to determine the re-supply quantity for each product using the Primo Rouge and Primo Jaune calculator as an example:

1. Find the consumption for the CHW

Balance →	0	1	2	3	4	5	6	7
↓ Cons.	0	2	1	0				
1	2	1	0					
2	4	3	2	1	0			
3	6	5	4	3	2	1	0	
4	8	7	6	5	4	3	2	1
5	10	9	8	7	6	5	4	3
6	12	11	10	9	8	7	6	5
7	14	13	12	11	10	9	8	7
8	16	15	14	13	12	11	10	9
9	18	17	16	15	14	13	12	11
10	20	19	18	17	16	15	14	13

2. Match the consumption with the stock on hand for the CHW.

Balance →	0	1	2	3	4	5	6	7
↓ Cons.	0	2	1	0				
1	2	1	0					
2	4	3	2	1	0			
3	6	5	4	3	2	1	0	
4	8	7	6	5	4	3	2	1
5	10	9	8	7	6	5	4	3
6	12	11	10	9	8	7	6	5
7	14	13	12	11	10	9	8	7
8	16	15	14	13	12	11	10	9
9	18	17	16	15	14	13	12	11
10	20	19	18	17	16	15	14	13

3. The re-supply quantity is the quantity where the consumption meets the stock

Balance →	0	1	2	3	4	5	6	7
↓ Cons.	0	2	1	0				
1	2	1	0					
2	4	3	2	1	0			
3	6	5	4	3	2	1	0	
4	8	7	6	5	4	3	2	1
5	10	9	8	7	6	5	4	3
6	12	11	10	9	8	7	6	5
7	14	13	12	11	10	9	8	7
8	16	15	14	13	12	11	10	9
9	18	17	16	15	14	13	12	11
10	20	19	18	17	16	15	14	13

Be sure to use the correct calculator for each product:

Calculator #1: Primo Rouge and Primo Jaune

Calculator #2: Amoxicillin 125mg and Zinc 10mg

Calculator #3: ORS and gloves

Calculator #4: RDTs

Write the re-supply quantity in the Ibikenewe (K) column on the Fiche de Réquisition Communautaire.

If the CHWs dispensed-to-user or stock on hand is higher than the numbers listed in the Fiche de Calcul, use the formula:

$$\text{Re-supply quantity} = (\text{dispensed-to-user} \times 2) - \text{Stock oh Hand}$$

## Calculator #1: Primo Rouge and Primo Jaune

Balance →	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
↓ Cons.																					
0	2	1	0																		
1	2	1	0																		
2	4	3	2	1	0																
3	6	5	4	3	2	1	0														
4	8	7	6	5	4	3	2	1	0												
5	10	9	8	7	6	5	4	3	2	1	0										
6	12	11	10	9	8	7	6	5	4	3	2	1	0								
7	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0						
8	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0				
9	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0		
10	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0

## Calculator #2: Amoxicillin 125mg and Zinc 10mg

Balance →	0	10	20	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200	
↓ Cons.																						
0	80	70	60	50	40	30	20	10	0													
10	80	70	60	50	40	30	20	10	0													
20	80	70	60	50	40	30	20	10	0													
30	80	70	60	50	40	30	20	10	0													
40	80	70	60	50	40	30	20	10	0													
50	100	90	80	70	60	50	40	30	20	10	0											
60	120	110	100	90	80	70	60	50	40	30	20	10	0									
70	140	130	120	110	100	90	80	70	60	50	40	30	20	10	0							
80	160	150	140	130	120	110	100	90	80	70	60	50	40	30	20	10	0					
90	180	170	160	150	140	130	120	110	100	90	80	70	60	50	40	30	20	10	0			
100	200	190	180	170	160	150	140	130	120	110	100	90	80	70	60	50	40	30	20	10	0	

### Calculator #3: ORS and Gloves, page 1

Balance →	0	2	4	6	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40	
↓ Cons.																						
0	20	18	16	14	12	10	8	6	4	2	0											
2	20	18	16	14	12	10	8	6	4	2	0											
4	20	18	16	14	12	10	8	6	4	2	0											
6	20	18	16	14	12	10	8	6	4	2	0											
8	20	18	16	14	12	10	8	6	4	2	0											
10	20	18	16	14	12	10	8	6	4	2	0											
12	24	22	20	18	16	14	12	10	8	6	4	2	0									
14	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0							
16	32	30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0					
18	36	34	32	30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0			
20	40	38	36	34	32	30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0	
22	44	42	40	38	36	34	32	30	28	26	24	22	20	18	16	14	12	10	8	6	4	
24	48	46	44	42	40	38	36	34	32	30	28	26	24	22	20	18	16	14	12	10	8	
26	52	50	48	46	44	42	40	38	36	34	32	30	28	26	24	22	20	18	16	14	12	
28	56	54	52	50	48	46	44	42	40	38	36	34	32	30	28	26	24	22	20	18	16	
30	60	58	56	54	52	50	48	46	44	42	40	38	36	34	32	30	28	26	24	22	20	
32	64	62	60	58	56	54	52	50	48	46	44	42	40	38	36	34	32	30	28	26	24	
34	68	66	64	62	60	58	56	54	52	50	48	46	44	42	40	38	36	34	32	30	28	
36	72	70	68	66	64	62	60	58	56	54	52	50	48	46	44	42	40	38	36	34	32	
38	76	74	72	70	68	66	64	62	60	58	56	54	52	50	48	46	44	42	40	38	36	
40	80	78	76	74	72	70	68	66	64	62	60	58	56	54	52	50	48	46	44	42	40	

### Calculator #3: ORS and Gloves, page 2

Balance →	42	44	46	48	50	52	54	56	58	60	62	64	66	68	70	72	74	76	78	80
↓ Cons.																				
0																				
2																				
4																				
6																				
8																				
10																				
12																				
14																				
16																				
18																				
20																				
22	2	0																		
24	6	4	2	0																
26	10	8	6	4	2	0														
28	14	12	10	8	6	4	2	0												
30	18	16	14	12	10	8	6	4	2	0										
32	22	20	18	16	14	12	10	8	6	4	2	0								
34	26	24	22	20	18	16	14	12	10	8	6	4	2	0						
36	30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0				
38	34	32	30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0		
40	38	36	34	32	30	28	26	24	22	20	18	16	14	12	10	8	6	4	2	0

# Calculator #4: RDTs, page 1

Balance →	0	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
↓ Cons.																					
0	4	3	2	1	0																
1	4	3	2	1	0																
2	4	3	2	1	0																
3	6	5	4	3	2	1	0														
4	8	7	6	5	4	3	2	1	0												
5	10	9	8	7	6	5	4	3	2	1	0										
6	12	11	10	9	8	7	6	5	4	3	2	1	0								
7	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0						
8	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0				
9	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0		
10	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0
11	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2
12	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4
13	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8	7	6
14	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10	9	8
15	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12	11	10
16	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14	13	12
17	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16	15	14
18	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18	17	16
19	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20	19	18
20	40	39	38	37	36	35	34	33	32	31	30	29	28	27	26	25	24	23	22	21	20

## Calculator #4: RDTs, page 2

Balance →	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
↓ Cons.																				
0																				
1																				
2																				
3																				
4																				
5																				
6																				
7																				
8																				
9																				
10																				
11	1	0																		
12	3	2	1	0																
13	5	4	3	2	1	0														
14	7	6	5	4	3	2	1	0												
15	9	8	7	6	5	4	3	2	1	0										
16	11	10	9	8	7	6	5	4	3	2	1	0								
17	13	12	11	10	9	8	7	6	5	4	3	2	1	0						
18	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0				
19	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0		
20	19	18	17	16	15	14	13	12	11	10	9	8	7	6	5	4	3	2	1	0