

2. The Global Tea and Organic Juice companies have merged.

1 Compute the expected time for each activity.

2 Compute the variance for each activity.

3. Compute the expected project duration.

4. What is the probability of completing the project by day 112?

5. What is the probability of completing 'Negotiate with Unions' by day 90?

Activity	Opt. (a)	ML. (m)	Pess. (b)	t_e	Variance $[(b - a)/6]^2$
1	16	19	28		
2	30	30	30		
3	60	72	90		
4	18	27	30		
5	17	29	47		
6	4	7	10		
7	12	15	18		
8	6	12	24		
9	18	27	30		
10	20	35	50		
11	40	55	100		
12	11	20	29		
13	14	23	26		
14	13	16	19		
15	0	0	0		