

\*DATA PROVIDED BY LEN TESTA OF TOURINGPLANS.COM\*

<b>WALKING TIMES (minutes)</b>	<b>Entrance (0)</b>	<b>Star Tours (1)</b>	<b>Space Mountain (2)</b>	<b>Finding Nemo (3)</b>	<b>It's a small world (4)</b>	<b>Peter Pan (5)</b>	<b>Big Thunder (6)</b>	<b>Splash Mountain (7)</b>	<b>Haunted Mansion (8)</b>	<b>Pirates (9)</b>	<b>Indiana Jones (10)</b>
Entrance (0)	1	3	5	5	6	3	5	9	7	5	5
Star Tours (1)	3	1	3	2	6	3	5	9	6	5	4
Space Mountain (2)	5	3	1	3	6	5	7	11	9	7	7
Finding Nemo (3)	5	2	3	1	5	4	6	10	8	7	6
it's a small world (4)	6	6	6	5	1	3	8	12	10	8	8
Peter Pan (5)	3	3	5	4	3	1	5	9	7	5	5
Big Thunder (6)	5	5	7	6	8	5	1	6	4	2	2
Splash Mountain (7)	9	9	11	10	12	9	6	1	3	4	5
Haunted Mansion (8)	7	6	9	8	10	7	4	3	1	2	3
Pirates (9)	5	5	7	7	8	5	2	4	2	1	1
Indiana Jones (10)	5	4	7	6	8	5	2	5	3	1	1

**\*NOTE: Highlighted cells indicate path of traveling salesman\***

**Waiting Times Throughout the day on Friday, June 21<sup>st</sup>, 2013 (via Len Testa at touringplans.com)**

Wait (minutes) at Time of Day	8:00 AM	8:15 AM	8:30 AM	8:45 AM	9:00 AM	9:15 AM	9:30 AM	9:45 AM	10:00 AM	10:15 AM	10:30 AM	10:45 AM	11:00 AM	11:15 AM	11:30 AM	11:45 AM	12:00 PM	12:15 PM	12:30 PM	12:45 PM	1:00 PM	1:15 PM	1:30 PM
<b>Entrance</b>	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
<b>Star Tours</b>	0	4	9	14	19	20	21	21	22	23	24	25	25	26	26	27	28	28	29	29	30	30	30
<b>Space Mountain</b>	0	7	14	21	28	28	29	30	30	31	31	32	33	34	34	34	35	35	36	37	37	38	38
<b>Finding Nemo</b>	0	4	9	14	19	19	20	20	21	21	21	21	21	22	22	22	23	23	23	23	24	24	24
<b>it's a small world</b>	0	2	3	5	7	7	7	7	7	7	7	7	7	7	8	8	8	8	8	8	8	9	9
<b>Peter Pan</b>	16	21	25	29	22	23	23	23	24	24	24	25	25	25	25	25	25	25	26	26	26	26	27

**Brad Butcher**

### Disneyland Data (June 21<sup>st</sup>, 2013)

**MATH 480 (SAGE)**

Big Thunder	0	2	6	8	11	12	12	12	12	13	13	13	13	14	14	14	14	15	15	15	15	16	16
Splash Mountain	0	6	12	18	25	25	27	28	29	30	30	31	31	32	33	34	34	34	35	35	36	36	37
Haunted Mansion	0	2	6	8	11	11	12	12	12	13	13	13	14	14	14	15	15	15	16	16	16	16	16
Pirates	0	2	4	7	9	9	10	10	10	10	10	11	11	11	11	11	11	11	11	11	11	11	12
Indiana Jones	0	4	9	14	19	21	21	23	24	25	26	27	29	30	30	31	32	33	34	34	35	35	36

	1:45 PM2:00 PM2:15 PM2:30 PM2:45 PM3:00 PM3:15 PM3:30 PM3:45 PM4:00 PM4:15 PM4:30 PM4:45 PM5:00 PM5:15 PM5:30 PM5:45 PM6:00 PM6:15 PM6:30 PM6:45 PM7:00 PM7:15 PM7:30 PM7:45 PM8:00 PM																											
Wait (minutes) at Time of Day																												
Entrance	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0		
Star Tours	30	31	31	31	32	32	32	32	33	33	33	33	33	33	33	33	33	32	32	32	32	31	31	31	30			
Space Mountain	39	39	39	39	40	40	41	41	42	42	43	43	43	43	44	44	44	45	45	45	45	46	46	46	46			
Finding Nemo	24	24	24	25	25	25	25	25	25	25	25	24	24	24	24	24	24	23	23	23	23	22	22	22	21			
it's a small world	9	9	9	9	9	9	9	10	10	10	10	10	10	10	10	10	10	10	10	10	11	11	11	11	11			
Peter Pan	27	27	27	27	27	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28	28		
Big Thunder	16	16	16	16	16	17	17	17	17	18	18	18	19	19	19	19	20	20	20	21	21	21	21	21	21	21		
Splash Mountain	37	38	38	38	38	39	39	39	39	39	39	39	39	38	38	38	37	37	37	36	36	35	34	34	34			
Haunted Mansion	16	16	16	16	17	17	17	17	17	17	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18	18		
Pirates	12	12	12	12	12	12	12	12	12	12	12	13	13	13	13	13	13	13	13	13	13	13	13	12	12			
Indiana Jones	37	37	38	39	39	39	39	39	40	40	40	40	40	40	40	40	40	40	39	39	39	39	39	38	38			

[illegible]

Brad Butcher

Disneyland Data (June 21<sup>st</sup>, 2013)

MATH 480 (SAGE)

Star Tours	30	30	30	29	29	28	27	27	26	25	25	25	24	23	22	9999
Space Mountain	46	47	47	47	47	47	47	47	47	47	47	47	47	47	47	9999
Finding Nemo	21	21	21	21	20	20	19	18	18	17	17	16	16	16	15	9999
it's a small world	11	11	11	11	11	11	11	11	11	11	11	11	11	11	11	9999
Peter Pan	28	28	27	27	27	27	27	27	26	26	26	26	25	25	25	9999
Big Thunder	22	22	22	23	23	23	24	24	24	24	25	25	25	25	25	9999
Splash Mountain	33	33	32	31	30	30	29	28	27	26	25	25	23	22	21	9999
Haunted Mansion	18	18	18	18	18	18	18	18	18	17	17	17	17	17	17	9999
Pirates	12	12	12	12	12	12	12	12	12	12	11	11	11	11	11	9999
Indiana Jones	37	37	36	35	34	34	34	33	32	31	30	29	28	27	26	9999

Ride Duration: Once on the at the front of the line, how long it takes to complete the ride (via Len Testa @touringplans.com)

<u>Attraction</u>	<u>Ride Duration</u>
Entrance	0
Pirates	15
Peter Pan	3
Big Thunder	4
Haunted Mansion	9
it's a small world	14
Indiana Jones	10
Space Mountain	5
Splash Mountain	11
Star Tours	7
Finding Nemo	13

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