

Travel time for student seismograms

Mystery Detectives - Mystery Epicenter

Answer key

Group	All activities				Print activity		Online activity	
	Earthquake	Station	S-P time lag (seconds)	Distance to epicenter (km)	P-wave arrival time (hr : min : sec)	S-wave arrival time (hr : min : sec)	P-wave arrival time (hr : min : sec)	S-wave arrival time (hr : min : sec)
0	Example	A	9	68	8:30:42 AM	8:30:51 AM	8:30:42 AM	8:30:51 AM
		B	14	108	8:30:47 AM	8:31:01 AM	8:30:46 AM	8:31:00 AM
		C	32	239	8:31:07 AM	8:31:38 AM	8:31:07 AM	8:31:38 AM
1	Hector Mine	A	28	209	2:46:32 AM	2:47:00 AM	2:46:32 AM	2:47:00 AM
		B	9	68	2:46:10 AM	2:46:19 AM	2:46:10 AM	2:46:19 AM
		C	34	258	2:46:41 AM	2:47:15 AM	2:46:41 AM	2:47:15 AM
2	Whittier Narrows	A	18	137	7:42:20 AM	7:42:38 AM	7:42:20 AM	7:42:38 AM
		B	19	142	7:42:22 AM	7:42:41 AM	7:42:22 AM	7:42:41 AM
		C	23	172	7:42:26 AM	7:42:49 AM	7:42:26 AM	7:42:49 AM
3	Oceanside	A	26	197	6:47:31 AM	6:47:57 AM	6:47:31 AM	6:47:57 AM
		B	17	127	6:47:20 AM	6:47:37 AM	6:47:20 AM	6:47:37 AM
		C	30	224	6:47:34 AM	6:48:04 AM	6:47:34 AM	6:48:04 AM
4	Northridge	A	23	174	4:31:23 AM	4:31:46 AM	4:31:23 AM	4:31:46 AM
		B	18	138	4:31:16 AM	4:31:34 AM	4:31:16 AM	4:31:34 AM
		C	21	156	4:31:19 AM	4:31:40 AM	4:31:19 AM	4:31:40 AM
5	Landers	A	29	220	4:58:06 AM	4:58:35 AM	4:58:05 AM	4:58:34 AM
		B	24	182	4:57:58 AM	4:58:22 AM	4:57:58 AM	4:58:22 AM
		C	26	200	4:58:01 AM	4:58:27 AM	4:58:01 AM	4:58:27 AM
6	San Fernando	A	25	190	6:01:30 AM	6:01:55 AM	6:01:30 AM	6:01:55 AM
		B	20	152	6:01:22 AM	6:01:42 AM	6:01:22 AM	6:01:42 AM
		C	30	228	6:01:36 AM	6:02:06 AM	6:01:35 AM	6:02:05 AM
7	Fish Creek Mts.	A	22	164	9:30:25 AM	9:30:47 AM	9:30:25 AM	9:30:47 AM
		B	26	195	9:30:30 AM	9:30:56 AM	9:30:30 AM	9:30:56 AM
		C	14	109	9:30:17 AM	9:30:31 AM	9:30:17 AM	9:30:31 AM
8	Long Beach	A	41	312	5:54:48 PM	5:54:29 PM	5:54:48 PM	5:54:29 PM
		B	15	114	5:54:18 PM	5:54:33 PM	5:54:18 PM	5:54:33 PM
		C	12	92	5:54:14 PM	5:54:26 PM	5:54:14 PM	5:54:26 PM
9	San Jacinto Fault	A	14	106	4:25:19 AM	4:25:33 AM	4:25:19 AM	4:25:33 AM
		B	34	254	4:25:39 AM	4:25:13 AM	4:25:39 AM	4:25:13 AM
		C	24	182	4:25:29 AM	4:25:53 AM	4:25:29 AM	4:25:53 AM
10	Kern County	A	27	208	4:52:32 AM	4:52:59 AM	4:52:32 AM	4:52:59 AM
		B	23	174	4:52:28 AM	4:52:51 AM	4:52:28 AM	4:52:51 AM
		C	11	84	4:52:28 AM	4:52:24 AM	4:52:28 AM	4:52:24 AM
11	Laguna Salada	A	28	209	11:20:32 PM	11:21:00 PM	11:20:32 PM	11:21:00 PM
		B	47	354	11:20:54 PM	11:21:41 PM	11:20:54 PM	11:21:41 PM
		C	22	167	11:20:26 PM	11:20:48 PM	11:20:26 PM	11:20:48 PM
12	Fort Tejon	A	8	58	8:20:09 AM	8:20:17 AM	8:20:09 AM	8:20:17 AM
		B	16	124	8:20:19 AM	8:20:35 AM	8:20:19 AM	8:20:35 AM
		C	38	291	8:20:45 AM	8:21:23 AM	8:20:45 AM	8:21:23 AM
13	Wrightwood	A	17	129	9:00:20 AM	9:00:37 AM	9:00:20 AM	9:00:37 AM
		B	19	144	9:00:23 AM	9:00:42 AM	9:00:23 AM	9:00:42 AM
		C	14	108	9:00:17 AM	9:00:31 AM	9:00:17 AM	9:00:31 AM
14	Imperial Valley	A	19	144	8:37:23 PM	8:37:42 PM	8:37:23 PM	8:37:42 PM
		B	21	160	8:37:24 PM	8:37:45 PM	8:37:24 PM	8:37:45 PM
		C	29	219	8:37:34 PM	8:38:03 PM	8:37:34 PM	8:38:03 PM