

I A

Hato

Triple Jump Cards

B

No. 1

Shin-Osaka	Kyoto	Maibara	Gifu-Hashima	Nagoya	Toyohashi (Hamamatsu)	Shizuoka (Atami)	Odawara	Shin-Yokohama	Tokyo
1	2	3	4	5	1	2	3	4	5
6,289	48	492	47	80	3,156	931	695	461	1,543
947	792	5,034	329	974	520	807	781	907	4,637
625	265	72	260	83	4,703	-981	-259	635	5,164
53	13	617	78	-246	954	5,408	9,425	7,589	7,420
17	4,039	83	69	-71	7,268	852	-8,012	4,260	4,679
501	628	-752	52	453	691	-304	254	378	9,538
413	71	6,129	61	519	-879	-1,037	6,103	2,083	4,875
804	835	-470	9,870	3,296	-268	9,640	-819	102	3,029
31	60	31	-426	8,905	592	269	-620	4,950	2,607
7,280	16	68	8,715	28	7,013	-713	307	298	9,183
29	205	93	-503	-315	-8,507	542	846	421	2,901
34	18	-59	-91	-206	216	3,867	387	637	9,218
75	9,407	-810	450	40	934	4,725	-735	3,718	5,061
896	43	68	-318	17	-481	-692	9,014	596	6,238
60	579	405	43	76	-304	516	7,463	145	5,870
$960 \times 31 =$	$293 \times 74 =$	$478 \times 98 =$	$76 \times 649 =$	$827 \times 53 =$	$38 \times 9,274 =$	$167 \times 874 =$	$7,546 \times 16 =$	$547 \times 309 =$	$942 \times 241 =$
$1,891 \div 31 =$	$4,988 \div 86 =$	$6,675 \div 75 =$	$350 \div 10 =$	$5,244 \div 57 =$	$15,138 \div 18 =$	$23,571 \div 243 =$	$59,616 \div 96 =$	$38,584 \div 728 =$	$37,842 \div 53 =$

I C

Hato

Triple Jump Cards

D

No. 1

Shin-Osaka	Kyoto	Maibara	Gifu-Hashima	Nagoya	Toyohashi (Hamamatsu)	Shizuoka (Atami)	Odawara	Shin-Yokohama	Tokyo
1	2	3	4	5	1	2	3	4	5
68,207	7,029	95,876	2,731	94,803	780	31,529	7,309	8,269	703,496
51,326	1,480	510	9,216	80,241	907,518	682	109,674	510	941,275
937	732	4,905	843	32,104	52,734	863,571	7,481	41,968	-310,746
71,205	32,594	-372	43,068	-83,975	85,061	-30,718	-4,157	531	462,183
468	8,915	-14,093	75,831	71,246	318	407,269	82,739	762,359	586,310
6,924	-649	63,810	6,158	-53,967	596,784	-18,456	650,328	26,978	942,087
458	804	80,267	709	42,586	168,290	974,360	-35,906	7,041	314,578
839	-2,931	17,324	5,697	-25,094	29,304	35,179	742	301,725	-697,321
2,103	46,375	-6,940	249	50,368	70,126	401	24,618	98,604	-280,547
4,017	-71,602	594	30,485	-79,250	605,491	284	61,053	784,230	328,950
85,943	35,928	8,721	94,810	35,602	4,953	-6,793	802	63,471	-934,065
6,075	48,605	5,217	5,174	67,931	3,147	9,208	-582,936	895,042	168,529
23,197	716	-863	92,650	89,716	2,863	-28,560	-17,064	13,854	675,280
689	-501	-3,582	702	-78,321	63,275	431,295	459,812	2,736	-491,837
5,041	-3,786	964	236	91,845	429	-5,407	-539	950	215,609
6,498 × 917 =	1,395 × 741 =	849 × 2,064 =	7,596 × 540 =	43,129 × 35 =	385 × 14,365 =	879 × 54,618 =	95,874 × 831 =	2,516 × 3,801 =	7,108 × 9,471 =
349,698 ÷ 501 =	299,752 ÷ 842 =	113,044 ÷ 236 =	531,648 ÷ 923 =	348,048 ÷ 48 =	730,752 ÷ 1,056 =	3,009,828 ÷ 307 =	1,805,443 ÷ 251 =	1,807,218 ÷ 9,562 =	1,322,558 ÷ 457 =

I A

Hato

Triple Jump Cards

B

No. 2

Shin-Osaka	Kyoto	Maibara	Gifu-Hashima	Nagoya	Toyohashi (Hamamatsu)	Shizuoka (Atami)	Odawara	Shin-Yokohama	Tokyo
1	2	3	4	5	1	2	3	4	5
60	58	3,945	23	692	740	5,726	2,043	352	9,876
75	4,720	2,810	709	251	413	390	602	846	5,961
4,169	97	72	94	30	-581	605	-159	9,185	7,048
5,437	16	531	50	952	-348	874	7,694	-750	5,204
164	305	468	-218	-31	9,216	9,536	5,231	-2,641	1,850
-530	40	392	60	4,063	395	871	-428	169	4,593
85	613	49	-25	56	6,470	627	180	5,741	3,921
97	258	78	561	9,714	-2,967	853	539	-923	6,845
-24	94	610	834	87	5,084	4,182	-674	-738	4,690
802	312	38	-96	-70	859	329	916	906	6,238
-168	849	20	2,978	48	3,576	1,490	-735	2,190	2,793
93	6,157	975	6,143	-803	-810	601	5,829	8,204	4,057
-27	93	46	-407	587	-236	893	370	370	2,701
382	78	150	351	-26	102	450	-4,786	-785	1,327
901	602	76	87	491	927	1,724	801	634	8,631
$198 \times 34 =$	$52 \times 748 =$	$416 \times 97 =$	$31 \times 158 =$	$63 \times 264 =$	$43 \times 7,802 =$	$739 \times 653 =$	$5,361 \times 31 =$	$916 \times 457 =$	$271 \times 821 =$
$2,870 \div 70 =$	$1,088 \div 68 =$	$1,900 \div 50 =$	$3,600 \div 48 =$	$1,700 \div 20 =$	$25,792 \div 52 =$	$28,544 \div 892 =$	$48,096 \div 96 =$	$23,496 \div 264 =$	$21,948 \div 31 =$

I C

Hato

Triple Jump Cards

D

No. 2

Shin-Osaka	Kyoto	Maibara	Gifu-Hashima	Nagoya	Toyohashi (Hamamatsu)	Shizuoka (Atami)	Odawara	Shin-Yokohama	Tokyo
1	2	3	4	5	1	2	3	4	5
697	340	372	38,972	91,847	417,259	641,382	320	51,240	579,421
78,143	9,805	51,730	608	86,270	985,417	83,594	80,465	96,471	623,948
870	6,328	29,587	96,280	72,498	731	39,706	13,574	482,316	-831,629
17,368	4,197	4,256	37,152	-53,176	68,305	521,387	649	835	740,152
-2,706	98,605	-9,623	60,324	37,841	-516,982	914,623	8,012	407,563	613,875
36,592	590	-31,085	157	90,463	-3,491	27,108	254,307	72,831	962,057
940	87,321	4,306	5,970	-13,926	28,365	460	309,758	65,174	-837,405
1,582	5,612	78,931	4,307	92,560	7,506	60,792	-195,627	59,607	412,670
-9,241	429	-2,416	8,175	-34,915	478,962	7,048	-491	398	-386,109
436	7,640	94,208	241	53,204	380	681,759	89,276	5,289	860,537
5,802	12,037	850	984	95,760	-2,067	5,241	-95,327	720,148	384,695
-62,514	47,168	147	803	89,231	503	9,504	6,815	103,762	956,210
-307	38,495	579	1,256	25,048	-84,120	853	-13,028	209	749,302
50,934	271	-6,198	35,649	-48,156	-70,964	12,635	708,643	9,584	-137,084
-9,185	563	-460	6,491	-67,023	49,132	709	-4,961	3,906	-549,128
$7,915 \times 857 =$	$5,682 \times 670 =$	$47,052 \times 21 =$	$859 \times 5,378 =$	$1,427 \times 376 =$	$602 \times 87,601 =$	$217 \times 64,703 =$	$80,942 \times 502 =$	$3,192 \times 7,314 =$	$9,485 \times 2,506 =$
$25,466 \div 238 =$	$161,271 \div 543 =$	$743,820 \div 924 =$	$810,632 \div 856 =$	$300,465 \div 607 =$	$1,720,880 \div 2,195 =$	$5,015,088 \div 846 =$	$6,501,440 \div 704 =$	$1,765,032 \div 6,024 =$	$2,911,807 \div 463 =$

I A

Hato

Triple Jump Cards

B

No. 3

Shin-Osaka	Kyoto	Maibara	Gifu-Hashima	Nagoya	Toyohashi (Hamamatsu)	Shizuoka (Atami)	Odawara	Shin-Yokohama	Tokyo
1	2	3	4	5	1	2	3	4	5
541	9,243	90	360	430	3,094	573	4,082	320	8,064
970	504	74	259	347	705	9,437	963	861	9,873
82	63	285	61	7,109	968	201	3,076	4,728	7,018
-798	27	921	47	-657	523	-630	4,751	5,469	3,560
-503	601	30	65	43	3,197	3,807	-815	1,374	8,201
69	86	-74	89	20	681	541	921	608	7,829
86	69	-397	25	-105	8,967	-216	-3,275	-739	1,342
1,463	97	7,021	1,346	82	214	6,489	631	574	4,576
217	5,132	689	24	958	459	-516	980	-201	1,653
-452	95	-46	1,048	26	510	3,975	-465	-810	2,809
31	571	-15	301	39	7,302	709	8,920	3,526	9,537
80	408	586	978	1,498	634	820	461	-974	4,713
9,267	870	215	35	-61	280	-2,568	-780	-5,019	9,562
-54	483	8,306	278	-572	654	-914	935	293	5,924
30	12	34	709	68	7,218	248	-742	586	6,401
$85 \times 320 =$	$35 \times 231 =$	$16 \times 425 =$	$68 \times 517 =$	$764 \times 67 =$	$85 \times 1,462 =$	$305 \times 506 =$	$4,108 \times 39 =$	$258 \times 806 =$	$568 \times 213 =$
$2,360 \div 59 =$	$2,204 \div 29 =$	$2,010 \div 67 =$	$4,428 \div 82 =$	$1,225 \div 49 =$	$11,055 \div 67 =$	$11,524 \div 268 =$	$3,906 \div 18 =$	$53,082 \div 983 =$	$26,622 \div 87 =$

I C

Hato

Triple Jump Cards

D

No. 3

Shin-Osaka	Kyoto	Maibara	Gifu-Hashima	Nagoya	Toyohashi (Hamamatsu)	Shizuoka (Atami)	Odawara	Shin-Yokohama	Tokyo
1	2	3	4	5	1	2	3	4	5
546	781	72,016	61,025	25,743	526	413	26,938	253	274,508
72,683	9,067	879	908	62,034	9,012	8,574	806	739,641	502,374
-6,931	694	695	8,174	-73,691	43,856	75,162	674,283	297,803	-321,590
12,850	71,230	91,420	23,058	24,108	281,543	19,204	420,859	80,762	657,481
579	-2,671	6,045	793	83,952	849,170	872,035	51,743	56,241	764,318
75,803	-58,013	403	65,207	-31,794	693	-67,408	795,014	9,620	871,432
-2,479	450	3,695	4,761	62,058	-7,861	-495,780	6,180	716	253,901
4,910	65,298	783	56,298	84,170	-9,046	971	72,693	4,820	-582,069
-306	-2,564	80,421	613	78,526	523,107	-5,129	36,209	58,047	-738,692
-26,458	349	2,543	541	39,270	407,593	834,960	910,642	892	419,563
764	58,213	68,219	79,208	-27,619	-56,974	-56,381	1,357	748,305	-296,810
-4,973	70,845	80,571	8,394	61,054	89,723	632	4,521	30,194	350,647
810	-4,073	347	4,927	58,941	-67,540	-3,928	57,948	1,435	906,571
31,028	-3,219	7,583	3,156	-90,687	128	51,064	731	658,193	-843,692
5,192	698	2,169	403	-84,135	-81,302	306,927	580	95,671	418,079
$9,274 \times 681 =$	$8,763 \times 957 =$	$4,572 \times 536 =$	$6,980 \times 135 =$	$7,968 \times 408 =$	$527 \times 76,352 =$	$314 \times 40,819 =$	$73,618 \times 849 =$	$8,627 \times 9,587 =$	$1,046 \times 2,183 =$
$238,368 \div 764 =$	$739,128 \div 8,034 =$	$665,925 \div 975 =$	$296,946 \div 351 =$	$418,488 \div 53 =$	$6,424,392 \div 9,074 =$	$5,708,104 \div 712 =$	$2,135,906 \div 674 =$	$5,286,754 \div 8,146 =$	$1,599,195 \div 295 =$

Triple Jump Cards: Rules

How to read the card

- The front has A and B, and the back has C and D. A is the easiest and D is the hardest.
- Each of A to D has 5 Sums problems, 5 Multiplication problems and 5 Division problems.
- The names above the columns are stations. A and C run from Shin-Osaka to Nagoya, and B and D from Toyohashi to Tokyo.
- The totals for checking answers are on the answer pages.

Triple Jump (on your own)

1. Choose which of A to D to solve, and give each player one card.
2. Start on the signal. First solve the 5 Sums problems and add up the 5 answers. When you are done, raise your hand and say the total.
3. If it is correct, go on to the total of the 5 Multiplication answers, and then the total of the 5 Division answers.
4. When all three are correct, you have completed a "Triple Jump". Take the next card.
5. If it is wrong, work it out again. You cannot go on until it is correct.
6. Set a time limit and compete to see how many cards you can finish.

53 Stations of the Tokaido (in teams)

1. Form teams of 3 (or 5), and give each player one card in number order.
2. Decide whether to use the front (A and B) or the back (C and D), and which problems to solve (Sums only, Multiplication and Division only, or all three).
3. On the signal, everyone solves the "Shin-Osaka" problems on their own card. Add up the answers of the whole team and show the total to the judge.
4. If it is correct, move on to "Kyoto", the next station. If it is wrong, work out that station again.
5. The first team to finish "Tokyo" wins.

Variations

- You can also choose just one subject, such as Sums only or Multiplication only, and compete to see how many cards you can finish within the time limit.
- In 53 Stations of the Tokaido, writing on the board which station each team has reached makes the game more exciting.
- You can also start with A on a single card and move on to B, C and D each time your total is correct.
- 53 Stations of the Tokaido can also be played on your own.

Triple Jump Cards Answer Sheet

Name		No.	Symbol	
	Sums	Multiplication	Division	Total
1 Shin-Osaka				
2 Kyoto				
3 Maibara				
4 Gifu-Hashima				
5 Nagoya				
6 Toyohashi (Hamamatsu)				
7 Shizuoka (Atami)				
8 Odawara				
9 Shin-Yokohama				
10 Tokyo				

Triple Jump Cards Answer Sheet

Name		No.	Symbol	
	Sums	Multiplication	Division	Total
1 Shin-Osaka				
2 Kyoto				
3 Maibara				
4 Gifu-Hashima				
5 Nagoya				
6 Toyohashi (Hamamatsu)				
7 Shizuoka (Atami)				
8 Odawara				
9 Shin-Yokohama				
10 Tokyo				

Answers Triple Jump Cards

Answer to each problem A

		A1	A2	A3	A4	A5
1	Sums	18,054	17,019	11,001	18,636	13,633
	Multiplication	29,760	21,682	46,844	49,324	43,831
	Division	61	58	89	35	92
	All 3 subjects	47,875	38,759	57,934	67,995	57,556
2	Sums	11,516	14,292	10,260	11,144	16,041
	Multiplication	6,732	38,896	40,352	4,898	16,632
	Division	41	16	38	75	85
	All 3 subjects	18,289	53,204	50,650	16,117	32,758
3	Sums	11,029	18,261	17,719	5,625	9,225
	Multiplication	27,200	8,085	6,800	35,156	51,188
	Division	40	76	30	54	25
	All 3 subjects	38,269	26,422	24,549	40,835	60,438

Answer to each problem C

		C1	C2	C3	C4	C5
1	Sums	327,429	103,709	252,338	368,559	335,835
	Multiplication	5,958,666	1,033,695	1,752,336	4,101,840	1,509,515
	Division	698	356	479	576	7,251
	All 3 subjects	6,286,793	1,137,760	2,005,153	4,470,975	1,852,601
2	Sums	109,411	319,401	215,184	297,369	517,526
	Multiplication	6,783,155	3,806,940	988,092	4,619,702	536,552
	Division	107	297	805	947	495
	All 3 subjects	6,892,673	4,126,638	1,204,081	4,918,018	1,054,573
3	Sums	164,018	207,085	417,789	317,466	271,930
	Multiplication	6,315,594	8,386,191	2,450,592	942,300	3,250,944
	Division	312	92	683	846	7,896
	All 3 subjects	6,479,924	8,593,368	2,869,064	1,260,612	3,530,770

Totals by subject A

	Sums	Multiplication	Division	Total
1	78,343	191,441	335	270,119
2	63,253	107,510	255	171,018
3	61,859	128,429	225	190,513

Answer to each problem B

		B1	B2	B3	B4	B5
1	Sums	15,608	23,830	24,830	27,180	81,963
	Multiplication	352,412	145,958	120,736	169,023	227,022
	Division	841	97	621	53	714
	All 3 subjects	368,861	169,885	146,187	196,256	309,699
2	Sums	22,840	29,151	17,423	22,760	75,735
	Multiplication	335,486	482,567	166,191	418,612	222,491
	Division	496	32	501	89	708
	All 3 subjects	358,822	511,750	184,115	441,461	298,934
3	Sums	35,406	21,956	19,643	10,596	91,062
	Multiplication	124,270	154,330	160,212	207,948	120,984
	Division	165	43	217	54	306
	All 3 subjects	159,841	176,329	180,072	218,598	212,352

Answer to each problem D

		D1	D2	D3	D4	D5
1	Sums	2,591,073	2,663,844	763,956	3,008,268	2,623,781
	Multiplication	5,530,525	48,009,222	79,671,294	9,563,316	67,319,868
	Division	692	9,804	7,193	189	2,894
	All 3 subjects	8,122,290	50,682,870	80,442,443	12,571,773	69,946,543
2	Sums	1,358,936	3,006,801	1,162,385	2,079,333	4,141,512
	Multiplication	52,735,802	14,040,551	40,632,884	23,346,288	23,769,410
	Division	784	5,928	9,235	293	6,289
	All 3 subjects	54,095,522	17,053,280	41,804,504	25,425,914	27,917,211
3	Sums	1,982,628	1,541,316	3,060,504	2,782,593	2,636,021
	Multiplication	40,237,504	12,817,166	62,501,682	82,707,049	2,283,418
	Division	708	8,017	3,169	649	5,421
	All 3 subjects	42,220,840	14,366,499	65,565,355	85,490,291	4,924,860

Totals by subject B

	Sums	Multiplication	Division	Total
1	173,411	1,015,151	2,326	1,190,888
2	167,909	1,625,347	1,826	1,795,082
3	178,663	767,744	785	947,192

Answers Triple Jump Cards

Totals by subject C

	Sums	Multiplication	Division	Total
1	<i>/,387,870</i>	<i>/4,356,052</i>	<i>9,360</i>	<i>/5,753,282</i>
2	<i>/,458,891</i>	<i>/6,734,441</i>	<i>2,651</i>	<i>/8,195,983</i>
3	<i>/,378,288</i>	<i>21,345,621</i>	<i>9,829</i>	<i>22,733,738</i>

Totals for teams of 3 A

		A1	A2	A3	A4	A5
I 1-3	Sums	<i>40,599</i>	<i>49,572</i>	<i>38,980</i>	<i>35,405</i>	<i>38,899</i>
	Multiplication & Division	<i>63,834</i>	<i>68,813</i>	<i>94,153</i>	<i>89,542</i>	<i>111,853</i>
	All 3 subjects	<i>/04,433</i>	<i>/18,385</i>	<i>/33,133</i>	<i>/24,947</i>	<i>/50,752</i>

Totals for teams of 3 C

		C1	C2	C3	C4	C5
I 1-3	Sums	<i>600,858</i>	<i>630,195</i>	<i>885,311</i>	<i>983,394</i>	<i>/,125,291</i>
	Multiplication & Division	<i>/9,058,532</i>	<i>/3,227,571</i>	<i>5,192,987</i>	<i>9,666,211</i>	<i>5,312,653</i>
	All 3 subjects	<i>/9,659,390</i>	<i>/3,857,766</i>	<i>6,078,298</i>	<i>/0,649,605</i>	<i>6,437,944</i>

Totals by subject D

	Sums	Multiplication	Division	Total
1	<i>/1,650,922</i>	<i>210,094,225</i>	<i>20,772</i>	<i>221,765,919</i>
2	<i>/1,748,967</i>	<i>/54,524,935</i>	<i>22,529</i>	<i>/66,296,431</i>
3	<i>/2,003,062</i>	<i>200,546,819</i>	<i>/7,964</i>	<i>212,567,845</i>

Totals for teams of 3 B

		B1	B2	B3	B4	B5
I 1-3	Sums	<i>73,854</i>	<i>74,937</i>	<i>61,896</i>	<i>60,536</i>	<i>248,760</i>
	Multiplication & Division	<i>813,670</i>	<i>783,027</i>	<i>448,478</i>	<i>795,779</i>	<i>572,225</i>
	All 3 subjects	<i>887,524</i>	<i>857,964</i>	<i>510,374</i>	<i>856,315</i>	<i>820,985</i>

Totals for teams of 3 D

		D1	D2	D3	D4	D5
I 1-3	Sums	<i>5,932,637</i>	<i>7,211,961</i>	<i>4,986,845</i>	<i>7,870,194</i>	<i>9,401,314</i>
	Multiplication & Division	<i>98,506,015</i>	<i>74,890,688</i>	<i>/82,825,457</i>	<i>/15,617,784</i>	<i>93,387,300</i>
	All 3 subjects	<i>/04,438,652</i>	<i>82,102,649</i>	<i>/87,812,302</i>	<i>/23,487,978</i>	<i>/02,788,614</i>