

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
205	86	42	78	52	831	4,792	8,351	9,318	5,384
3,076	71	901	83	48	587	217	409	542	9,546
-124	403	38	140	9,651	239	793	3,825	174	8,109
96	89	-521	51	75	742	570	-602	-486	1,460
38	418	-73	34	87	-516	932	-790	359	2,103
16	24	95	129	629	6,091	8,305	2,079	608	9,074
-480	93	42	760	560	-506	681	-698	-8,067	3,657
5,174	418	7,360	54	3,406	3,085	246	583	-214	2,981
-739	5,290	614	7,235	-78	2,146	590	6,147	5,830	7,816
854	652	748	810	92	974	8,415	594	627	9,725
98	7,539	851	9,628	-381	-390	631	786	452	5,942
62	607	-906	569	403	-241	405	-1,463	7,913	7,631
-29	53	-70	703	-39	5,978	278	-710	-690	3,806
51	61	8,536	69	-120	-3,760	3,496	523	5,917	5,274
307	270	29	42	714	824	6,801	214	-320	3,802
$841 \times 32 =$	$23 \times 952 =$	$31 \times 623 =$	$19 \times 548 =$	$670 \times 41 =$	$48 \times 3,051 =$	$764 \times 217 =$	$9,205 \times 84 =$	$163 \times 562 =$	$258 \times 674 =$
$2,128 \div 76 =$	$3,744 \div 39 =$	$629 \div 17 =$	$5,494 \div 67 =$	$4,200 \div 84 =$	$26,415 \div 45 =$	$18,368 \div 287 =$	$15,472 \div 16 =$	$47,400 \div 632 =$	$67,050 \div 75 =$

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
365	60,584	8,974	17,209	84,976	91,403	789	96,478	943	249,603
8,153	4,072	9,265	76,094	95,324	23,756	54,026	3,982	4,701	720,386
67,042	183	3,120	2,489	64,109	967,081	-657	40,561	603,297	-291,537
-754	-28,407	859	875	32,017	4,279	-13,560	94,108	92,648	810,649
270	962	716	723	23,194	-85,910	234,859	63,972	315,976	591,463
90,821	310	627	5,618	10,275	790,142	945,120	720,318	871,260	953,670
5,389	42,879	730	40,123	-41,687	6,405	-7,349	2,037	9,571	-172,806
690	-8,315	524	9,680	67,135	-57,324	89,027	5,243	482	-701,348
278	-7,690	30,147	62,513	86,950	280,165	24,130	897,051	320,561	254,897
-4,356	532	98,460	3,048	41,732	-483	6,859	51,386	853	-602,459
28,674	23,761	5,318	954	-72,540	-6,038	432,768	804,675	47,935	594,078
-3,018	519	84,902	56,873	-84,039	352	-358,120	243	2,078	-218,345
79,541	95,467	5,631	917	53,768	72,694	7,018	951,076	61,280	126,539
-41,930	-3,108	46,015	254	-89,256	-819,365	-94,631	619	80,534	705,681
-2,619	-9,645	92,783	6,013	-20,583	718	716	245	16,495	374,812
$6,893 \times 864 =$	$8,201 \times 324 =$	$1,376 \times 478 =$	$25,984 \times 15 =$	$43,791 \times 95 =$	$123 \times 58,213 =$	$769 \times 13,027 =$	$60,142 \times 462 =$	$8,314 \times 9,245 =$	$2416 \times 3,086 =$
$134,874 \div 7,493 =$	$197,808 \div 52 =$	$515,985 \div 615 =$	$565,653 \div 843 =$	$75,680 \div 1,760 =$	$3,434,535 \div 3,705 =$	$2,611,037 \div 403 =$	$2,242,772 \div 692 =$	$777,876 \div 5,893 =$	$428,028 \div 106 =$

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
315	67	2,975	84	679	9,205	7,346	721	2,486	4,368
406	4,072	52	23	82	576	8,037	950	3,917	5,701
20	703	-984	4,876	70	8,951	-710	-168	-536	1,047
82	368	37	10	93	623	961	-432	792	2,638
37	893	821	-92	107	361	-532	7,356	-501	4,109
795	15	46	475	8,453	840	610	274	835	9,267
68	29	390	-561	-67	706	-9,568	615	-410	7,153
984	51	-873	397	49	275	7,954	-3,129	897	3,514
21	6,102	9,081	-981	-365	4,081	285	8,904	5,612	2,748
573	495	56	-230	-130	906	-840	360	403	9,062
6,290	84	-14	58	2,408	3,748	459	8,051	-7,082	7,326
8,014	76	506	917	54	123	240	6,948	860	9,250
59	382	60	62	21	4,978	-312	-289	9,415	8,569
341	91	-723	30	-615	324	2,679	-475	-642	3,480
67	450	14	4,506	298	915	381	730	739	5,819
$52 \times 950 =$	$24 \times 516 =$	$691 \times 23 =$	$934 \times 60 =$	$834 \times 30 =$	$26 \times 1,792 =$	$509 \times 261 =$	$3,485 \times 79 =$	$805 \times 308 =$	$786 \times 854 =$
$4,484 \div 76 =$	$2,790 \div 30 =$	$504 \div 18 =$	$970 \div 97 =$	$1,620 \div 45 =$	$18,048 \div 48 =$	$4,734 \div 263 =$	$65,265 \div 95 =$	$19,526 \div 751 =$	$26,585 \div 65 =$

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
836	689	68,714	57,628	86,524	1,403	406,712	47,230	607,231	967,132
51,624	7,425	40,381	69,583	53,607	627	53,098	713,095	81,654	893,574
26,893	258	-9,768	58,041	89,475	809,716	82,314	958	132,540	201,689
-12,769	71,643	7,920	487	-64,720	-25,384	4,780	3,594	95,873	492,056
578	496	-9,362	29,750	28,109	-86,193	97,561	907	527,409	-741,268
69,703	910	4,530	962	17,984	437	6,902	107,826	946	387,901
4,139	8,325	846	3,028	-69,137	72,850	345,810	-2,614	4,720	635,048
-8,045	35,270	950	56,137	94,781	8,507	953	-43,829	716,398	-791,254
-9,307	6,714	514	7,403	36,952	354,129	63,175	91,678	803	-572,691
590	38,950	-28,751	280	51,069	-912,456	52,967	529	50,246	260,539
2,415	7,065	-6,135	643	-74,396	-5,012	826,370	305,168	893	-573,108
-74,108	39,184	73,269	194	10,234	43,869	468	-72,681	5,486	-437,810
-5,421	4,812	851	5,931	-82,153	-607	578,910	851,074	7,891	813,426
367	60,137	-24,037	9,147	-36,810	79,563	2,341	-4,362	35,210	548,670
802	209	920	2,016	53,702	418,290	429	-63,054	29,167	902,345
6,937×730=	5,960×801=	4,178×290=	307×1,975=	8,194×685=	972×35,784=	143×43,768=	46,312×243=	6,742×8,543=	2,435×1,962=
581,348÷6,532=	388,260÷719=	189,528÷596=	275,310÷345=	107,855÷265=	677,504÷1,072=	1,137,150÷475=	1,063,245÷971=	3,972,036÷6,932=	1,645,726÷358=

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
54	78	70	91	861	4,052	9,841	937	179	2,918
26	590	2,985	27	906	609	389	652	496	5,670
9,163	138	72	-65	3,014	7,850	267	170	340	7,534
-805	45	465	70	-246	-342	-178	3,581	627	8,926
370	73	319	806	589	907	590	-652	835	3,457
25	29	158	20	30	219	-916	290	128	7,516
931	31	461	859	-71	486	8,603	-479	542	4,038
2,783	624	30	-314	37	-928	-714	-534	923	6,301
-14	41	9,604	-21	1,825	-671	537	6,140	804	1,896
479	520	798	546	-789	5,047	2,145	489	3,146	2,579
601	316	64	823	53	653	-980	-1,098	9,805	4,923
-89	57	87	196	490	831	-2,036	-275	6,073	2,839
624	289	213	-70	-64	-413	342	823	7,851	6,140
-80	9,706	30	4,953	52	-9,162	256	4,016	610	4,021
75	8,640	25	3,748	27	3,785	4,507	6,387	5,279	7,850
$921 \times 29 =$	$86 \times 427 =$	$540 \times 12 =$	$40 \times 538 =$	$64 \times 831 =$	$57 \times 2,097 =$	$472 \times 795 =$	$9,745 \times 41 =$	$364 \times 187 =$	$704 \times 534 =$
$1,615 \div 95 =$	$5,220 \div 58 =$	$2,584 \div 38 =$	$4,588 \div 62 =$	$494 \div 13 =$	$26,061 \div 73 =$	$37,583 \div 637 =$	$71,816 \div 94 =$	$10,906 \div 574 =$	$35,583 \div 87 =$

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
40,531	12,098	8,975	893	18,037	853,746	357	56,271	80,269	973,815
2,157	403	16,047	217	82,754	647,129	9,068	982	265,347	495,068
608	315	324	57,083	-25,680	360	605,984	-32,794	83,709	158,246
56,124	54,729	-5,207	64,715	58,123	73,528	-49,072	638	234	-231,457
82,597	-2,640	679	501	26,539	305,214	62,701	291,870	190,642	792,038
789	892	-3,820	2,314	40,213	8,460	257,368	65,714	4,105	-864,970
371	-3,680	76,548	9,682	65,108	174,852	-931	-301	231	630,591
9,604	-5,047	215	45,018	-57,964	98,105	62,107	-57,064	720,483	192,837
3,142	7,158	90,184	2,905	-43,591	839	-318,426	469,810	38,596	250,671
67,593	365	-610	729	39,420	6,403	-84,512	5,982	6,015	-641,253
5,328	93,742	9,034	39,876	76,093	70,216	9,387	-2,054	9,458	-803,496
37,860	-2,167	391	904	49,287	38,970	315,294	8,593	516,807	512,043
908	896	-62,753	1,463	-68,349	2,759	-1,549	30,471	271	206,974
6,014	-61,305	21,834	85,746	-57,106	64,591	70,835	976,305	91,847	-721,850
249	47,189	-5,689	3,260	79,812	219	406	-821,643	57,396	647,938
561×1,540=	8,493×435=	9,741×208=	3,501×680=	76,413×97=	691×37,145=	219×50,467=	10,863×961=	7,615×8,923=	3,068×7,948=
173,168÷548=	373,160÷491=	178,200÷396=	183,384÷216=	483,264÷96=	3,301,076÷5,063=	514,848÷186=	5,500,272÷978=	388,926÷3,162=	6,680,533÷893=

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	8,605	16,074	17,686	20,385	15,099
	Multiplication	26,912	21,896	19,313	10,412	27,470
	Division	28	96	37	82	50
	All 3 subjects	35,545	38,066	37,036	30,879	42,619
2	Sums	18,072	13,878	11,444	9,574	11,137
	Multiplication	49,400	12,384	15,893	56,040	25,020
	Division	59	93	28	10	36
	All 3 subjects	67,531	26,355	27,365	65,624	36,193
3	Sums	14,143	21,177	15,381	11,669	6,714
	Multiplication	26,709	36,722	6,480	21,520	53,184
	Division	17	90	68	74	38
	All 3 subjects	40,869	57,989	21,929	33,263	59,936

Answer to each problem C

		C1	C2	C3	C4	C5
1	Sums	228,546	172,104	388,071	283,383	251,375
	Multiplication	5,955,552	2,657,124	657,728	389,760	4,160,145
	Division	18	3,804	839	671	43
	All 3 subjects	6,184,116	2,833,032	1,046,638	673,814	4,411,563
2	Sums	48,297	282,087	120,842	301,230	195,221
	Multiplication	5,064,010	4,773,960	1,211,620	606,325	5,612,890
	Division	89	540	318	798	407
	All 3 subjects	5,112,396	5,056,587	1,332,780	908,353	5,808,518
3	Sums	313,875	142,948	146,152	315,306	282,696
	Multiplication	863,940	3,694,455	2,026,128	2,380,680	7,412,061
	Division	316	760	450	849	5,034
	All 3 subjects	1,178,131	3,838,163	2,172,730	2,696,835	7,699,791

Totals by subject A

	Sums	Multiplication	Division	Total
1	77,849	106,003	293	184,145
2	64,105	158,737	226	223,068
3	69,084	144,615	287	213,986

Answer to each problem B

		B1	B2	B3	B4	B5
1	Sums	16,084	37,152	19,248	21,963	86,310
	Multiplication	146,448	165,788	773,220	91,606	173,892
	Division	587	64	967	75	894
	All 3 subjects	163,119	203,004	793,435	113,644	261,096
2	Sums	36,612	16,990	30,416	16,785	84,051
	Multiplication	46,592	132,849	275,315	247,940	671,244
	Division	376	18	687	26	409
	All 3 subjects	83,580	149,857	306,418	264,751	755,704
3	Sums	12,923	22,653	20,447	37,638	76,608
	Multiplication	119,529	375,240	399,545	68,068	375,936
	Division	357	59	764	19	409
	All 3 subjects	132,809	397,952	420,756	105,725	452,953

Answer to each problem D

		D1	D2	D3	D4	D5
1	Sums	1,267,875	1,320,995	3,731,994	2,428,614	3,395,283
	Multiplication	7,160,199	10,017,763	27,785,604	76,862,930	7,455,776
	Division	927	6,479	3,241	132	4,038
	All 3 subjects	8,429,001	11,345,237	31,520,839	79,291,676	10,855,097
2	Sums	759,739	2,522,790	1,935,519	2,296,467	2,986,249
	Multiplication	34,782,048	6,258,824	11,253,816	57,596,906	4,777,470
	Division	632	2,394	1,095	573	4,597
	All 3 subjects	35,542,419	8,784,008	13,190,430	59,893,946	7,768,316
3	Sums	2,345,391	939,017	992,780	2,065,410	1,597,195
	Multiplication	25,667,195	11,052,273	10,439,343	67,948,645	24,384,464
	Division	652	2,768	5,624	123	7,481
	All 3 subjects	28,013,238	11,994,058	11,437,747	70,014,178	25,989,140

Totals by subject B

	Sums	Multiplication	Division	Total
1	180,757	1,350,954	2,587	1,534,298
2	184,854	1,373,940	1,516	1,560,310
3	170,269	1,338,318	1,608	1,510,195

Answers Triple Jump Cards

Totals by subject C

	Sums	Multiplication	Division	Total
1	<i>1,323,479</i>	<i>13,820,309</i>	<i>5,375</i>	<i>15,149,163</i>
2	<i>947,677</i>	<i>17,268,805</i>	<i>2,152</i>	<i>18,218,634</i>
3	<i>1,200,977</i>	<i>16,377,264</i>	<i>7,409</i>	<i>17,585,650</i>

Totals for teams of 3 A

		A1	A2	A3	A4	A5
I 1-3	Sums	<i>40,820</i>	<i>51,129</i>	<i>44,511</i>	<i>41,628</i>	<i>32,950</i>
	Multiplication & Division	<i>103,125</i>	<i>71,281</i>	<i>41,819</i>	<i>88,138</i>	<i>105,798</i>
	All 3 subjects	<i>143,945</i>	<i>122,410</i>	<i>86,330</i>	<i>129,766</i>	<i>138,748</i>

Totals for teams of 3 C

		C1	C2	C3	C4	C5
I 1-3	Sums	<i>590,718</i>	<i>597,139</i>	<i>655,065</i>	<i>899,919</i>	<i>729,292</i>
	Multiplication & Division	<i>11,883,925</i>	<i>11,130,643</i>	<i>3,897,083</i>	<i>3,379,083</i>	<i>17,190,580</i>
	All 3 subjects	<i>12,474,643</i>	<i>11,727,782</i>	<i>4,552,148</i>	<i>4,279,002</i>	<i>17,919,872</i>

Totals by subject D

	Sums	Multiplication	Division	Total
1	<i>12,144,761</i>	<i>129,282,272</i>	<i>14,817</i>	<i>141,441,850</i>
2	<i>10,500,764</i>	<i>114,669,064</i>	<i>9,291</i>	<i>125,179,119</i>
3	<i>7,939,793</i>	<i>139,491,920</i>	<i>16,648</i>	<i>147,448,361</i>

Totals for teams of 3 B

		B1	B2	B3	B4	B5
I 1-3	Sums	<i>65,619</i>	<i>76,795</i>	<i>70,111</i>	<i>76,386</i>	<i>246,969</i>
	Multiplication & Division	<i>313,889</i>	<i>674,018</i>	<i>1,450,498</i>	<i>407,734</i>	<i>1,222,784</i>
	All 3 subjects	<i>379,508</i>	<i>750,813</i>	<i>1,520,609</i>	<i>484,120</i>	<i>1,469,753</i>

Totals for teams of 3 D

		D1	D2	D3	D4	D5
I 1-3	Sums	<i>4,373,005</i>	<i>4,782,802</i>	<i>6,660,293</i>	<i>6,790,491</i>	<i>7,978,727</i>
	Multiplication & Division	<i>67,611,653</i>	<i>27,340,501</i>	<i>49,488,723</i>	<i>202,409,309</i>	<i>36,633,826</i>
	All 3 subjects	<i>71,984,658</i>	<i>32,123,303</i>	<i>56,149,016</i>	<i>209,199,800</i>	<i>44,612,553</i>