

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
528	35	4,982	86	45	963	931	341	395	6,314
84	69	35	7,125	9,251	671	823	780	623	8,635
-470	4,196	46	41	-46	7,049	1,290	-541	350	6,517
3,264	23	-931	502	204	-324	7,026	2,085	7,809	1,875
182	5,207	73	396	-783	251	4,172	-497	264	9,508
29	40	-512	120	61	-685	508	8,265	721	3,962
63	86	850	3,094	72	5,830	764	986	-462	9,643
-75	145	-78	63	53	401	985	1,639	-804	4,152
103	792	23	97	-279	694	758	-725	950	8,094
570	84	704	281	85	982	3,406	-280	6,817	2,801
-98	160	-625	68	90	2,873	963	3,697	-985	4,370
-61	817	8,014	457	6,013	-7,310	4,185	704	-3,471	8,291
94	230	79	74	-307	-251	612	-190	6,312	9,607
510	953	960	809	498	6,479	570	4,532	5,401	2,754
3,796	87	16	53	186	-805	934	316	-879	3,270
$183 \times 85 =$	$57 \times 478 =$	$863 \times 35 =$	$68 \times 502 =$	$340 \times 98 =$	$83 \times 1,653 =$	$947 \times 597 =$	$4,931 \times 23 =$	$794 \times 629 =$	$297 \times 814 =$
$4,368 \div 78 =$	$2,232 \div 31 =$	$3,240 \div 54 =$	$3,813 \div 41 =$	$1,602 \div 89 =$	$2,968 \div 28 =$	$33,657 \div 863 =$	$38,872 \div 43 =$	$19,565 \div 301 =$	$10,556 \div 52 =$

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
925	487	8,423	657	30,795	90,824	257	642,890	14,650	601,827
260	932	47,310	10,245	98,640	186,207	9,712	76,109	81,435	462,391
7,805	60,489	671	2,468	50,214	7,986	34,108	97,241	905,326	-318,940
28,456	31,607	-5,963	379	82,135	954,608	468,095	852	179	641,587
7,560	823	-8,790	4,953	-78,913	5,314	13,279	3,715	468	862,950
39,751	-5,204	6,052	791	36,745	-672	84,901	632,840	82,937	-790,536
60,439	-21,650	247	35,067	-20,136	719	-3,086	84,037	1,085	-408,215
4,618	4,107	65,780	102	63,579	-9,543	235,817	175,268	687,432	621,097
309	92,340	-49,168	98,421	-74,251	-263,759	4,068	56,897	564,807	-473,851
172	-7,258	71,589	362	-28,764	37,815	-79,142	7,640	693	-310,968
213	-59,164	-82,930	8,029	31,589	-83,640	-463	35,281	79,025	738,426
80,347	789	241	6,780	54,263	123	576,049	950	47,301	490,753
4,925	-9,165	-1,630	83,964	47,096	216,340	952	304	829,130	749,528
6,148	638	359	54,108	-86,701	52,807	-65,183	2,931	2,964	523,164
31,897	1,375	542	3,751	10,829	-19,540	-276,350	651,493	5,271	705,329
78,015×14=	5,843×275=	8,079×769=	6,578×902=	2,463×685=	381×98,132=	452×25,069=	90,387×136=	2,485×4,983=	8,061×6,179=
368,928÷672=	85,932÷124=	55,250÷325=	212,636÷236=	408,037÷821=	2,879,708÷4,108=	1,691,214÷938=	3,556,284÷708=	7,696,120÷8,504=	819,230÷395=

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
431	673	819	26	408	689	8,923	917	619	6,482
749	98	30	80	23	501	739	708	803	9,048
62	613	67	6,418	567	410	652	4,092	-735	6,375
-380	74	974	382	6,105	923	-401	-541	163	2,153
25	236	20	945	-836	308	286	7,308	6,480	7,698
10	905	38	-71	2,513	5,862	569	-916	937	4,105
8,054	58	56	-498	76	2,351	-630	835	164	5,317
26	75	308	629	-37	947	8,165	-2,364	2,873	4,963
-709	408	4,027	701	809	3,670	-412	7,650	451	7,280
-38	6,213	2,156	5,934	-47	8,457	378	528	-280	8,519
5,471	402	412	-603	-291	174	-407	712	-592	6,204
-983	8,517	91	75	914	908	519	946	7,489	7,651
51	40	65	-50	42	692	7,954	-630	-562	9,802
26	91	497	37	98	7,421	-8,302	2,985	-1,290	3,941
697	29	358	12	50	635	7,014	-143	5,704	2,307
$450 \times 34 =$	$254 \times 64 =$	$64 \times 580 =$	$98 \times 175 =$	$85 \times 471 =$	$75 \times 2,591 =$	$412 \times 176 =$	$2,301 \times 56 =$	$635 \times 716 =$	$816 \times 654 =$
$2,546 \div 38 =$	$1,960 \div 28 =$	$2,976 \div 62 =$	$299 \div 13 =$	$7,189 \div 79 =$	$54,912 \div 96 =$	$33,124 \div 364 =$	$17,680 \div 85 =$	$44,634 \div 519 =$	$34,921 \div 47 =$

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
72,014	285	2,678	4,069	90,167	715,420	925	947,610	78,932	583,492
906	4,809	5,763	620	71,082	6,891	790,356	836,549	37,429	319,067
879	617	652	2,593	-62,405	40,586	32,605	28,791	1,846	-462,715
32,094	361	94,207	756	83,657	862,713	79,164	-7,083	904,681	948,250
508	92,740	583	24,861	64,319	-745,980	17,058	405	75,462	693,072
-2,345	56,413	319	398	56,804	851	754,236	35,096	948,317	957,280
-1,769	35,207	826	781	60,239	-73,426	910	7,231	653,802	-325,914
3,021	91,082	71,590	51,034	35,892	295,304	398	-21,304	920	802,173
615	-7,128	8,924	9,512	21,957	73,091	24,013	629	893	241,659
-18,753	649	3,458	257	-49,381	2,905	8,357	-80,135	750	-568,037
63,849	-1,034	10,249	7,814	31,076	-97,386	461,028	5,876	2,461	754,168
-4,685	-9,748	874	10,349	-45,839	-51,270	5,847	-746,189	9,150	-980,346
8,273	352	60,731	85,026	87,395	421	94,362	-39,652	57,603	-314,297
-29,610	-6,095	51,094	4,730	-24,760	-8,693	2,018	240	163,540	480,615
475	-53,867	6,103	96,873	-41,527	346	761,984	428,157	72,158	678,031
17,964×56=	8,716×358=	5,682×213=	6,490×706=	3,694×846=	208×30,718=	318×80,957=	65,478×948=	8,062×1,967=	7,409×5,694=
233,985÷95=	93,984÷176=	108,644÷628=	110,088÷278=	402,810÷463=	1,368,704÷2,176=	7,674,983÷809=	694,232÷506=	5,069,085÷6,297=	3,620,141÷721=

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
59	24	51	29	728	219	6,925	451	859	3,619
15	693	726	68	60	902	2,701	380	5,308	7,896
8,302	830	-452	735	21	7,428	693	-256	9,470	4,263
39	651	-94	8,140	8,463	-870	920	4,061	657	8,531
768	74	608	-439	2,590	3,524	834	540	7,491	4,105
30	32	350	57	-751	673	197	839	623	2,870
401	4,785	-81	-213	27	5,149	-548	1,740	186	4,359
214	290	3,917	150	-40	-831	4,705	2,186	6,341	6,192
7,863	36	521	-78	13	702	5,130	317	834	1,376
92	5,871	9,836	2,539	59	340	-954	280	301	9,825
504	906	78	416	163	587	-4,218	-936	126	4,501
76	54	90	-960	-940	-651	361	-529	897	3,740
945	718	-24	42	-856	9,864	-638	6,378	702	7,096
87	91	703	87	43	-3,695	780	-5,792	2,450	2,587
612	20	46	60	987	-106	-276	-479	529	8,024
$14 \times 725 =$	$58 \times 125 =$	$742 \times 87 =$	$647 \times 34 =$	$854 \times 68 =$	$21 \times 6,813 =$	$612 \times 276 =$	$4,289 \times 56 =$	$389 \times 465 =$	$136 \times 947 =$
$555 \div 37 =$	$6,240 \div 78 =$	$920 \div 23 =$	$703 \div 19 =$	$3,600 \div 48 =$	$6,012 \div 36 =$	$24,638 \div 254 =$	$5,088 \div 16 =$	$36,271 \div 437 =$	$46,228 \div 91 =$

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
9,625	870	58,792	742	76,925	60,453	7,291	41,953	185	530,649
57,419	97,245	4,607	89,361	31,654	92,748	83,624	9,870	576,930	652,130
-2,041	190	841	3,105	-20,143	17,326	935,108	467,351	20,176	-269,847
-763	23,458	-5,720	7,236	-36,284	429,853	361	384,206	3,804	-708,419
68,190	6,730	28,597	801	68,317	934,685	-285	-593,680	5,631	361,785
-3,852	541	-804	954	-52,840	8,150	48,736	496	495	549,278
967	69,807	-6,315	43,127	90,574	7,905	691	-23,814	24,769	910,326
6,435	3,540	32,798	689	83,765	9,084	-460,829	720	67,123	291,580
-8,540	5,728	40,856	40,278	94,130	52,671	53,490	-351	80,259	475,826
13,084	43,162	-3,071	32,140	-73,892	64,083	1,789	701,294	3,578	-704,981
-35,716	9,826	913	86,059	94,061	192	-20,957	6,840	821,645	519,743
902	1,304	460	463	87,520	375	452,071	89,702	42,701	-250,638
823	92,167	9,321	7,592	-71,609	621	-3,762	35,127	983	513,046
719	698	-26,953	5,187	25,184	780,319	-58,410	-19,765	703,429	-832,174
28,407	351	614	6,059	58,391	672,140	674,035	-5,682	896,041	263,097
$2,158 \times 618 =$	$94,105 \times 31 =$	$5,627 \times 762 =$	$15,780 \times 51 =$	$3,486 \times 983 =$	$842 \times 72,136 =$	$401 \times 94,523 =$	$12,068 \times 264 =$	$2,406 \times 8,397 =$	$9,452 \times 4,173 =$
$498,688 \div 512 =$	$182,784 \div 84 =$	$296,220 \div 9,874 =$	$48,503 \div 287 =$	$197,316 \div 324 =$	$1,469,361 \div 2,397 =$	$6,304,026 \div 762 =$	$375,328 \div 148 =$	$2,872,116 \div 9,386 =$	$3,079,032 \div 642 =$

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	8,519	12,924	13,636	13,266	15,143
	Multiplication	15,555	27,246	30,205	34,136	33,320
	Division	56	72	60	93	18
	All 3 subjects	24,130	40,242	43,901	47,495	48,481
2	Sums	13,492	18,432	9,918	14,017	10,394
	Multiplication	15,300	16,256	37,120	17,150	40,035
	Division	67	70	48	23	91
	All 3 subjects	28,859	34,758	47,086	31,190	50,520
3	Sums	20,007	15,075	16,275	10,633	10,567
	Multiplication	10,150	7,250	64,554	21,998	58,072
	Division	15	80	40	37	75
	All 3 subjects	30,172	22,405	80,869	32,668	68,714

Answer to each problem C

		C1	C2	C3	C4	C5
1	Sums	273,825	91,146	52,733	310,077	217,120
	Multiplication	1,092,210	1,606,825	6,212,751	5,933,356	1,687,155
	Division	549	693	170	901	497
	All 3 subjects	1,366,584	1,698,664	6,265,654	6,244,334	1,904,772
2	Sums	125,472	204,643	318,051	299,673	378,676
	Multiplication	1,005,984	3,120,328	1,210,266	4,581,940	3,125,124
	Division	2,463	534	173	396	870
	All 3 subjects	1,133,919	3,325,505	1,528,490	4,882,009	3,504,670
3	Sums	135,659	355,617	134,936	323,793	455,753
	Multiplication	1,333,644	2,917,255	4,287,774	804,780	3,426,738
	Division	974	2,176	30	169	609
	All 3 subjects	1,470,277	3,275,048	4,422,740	1,128,742	3,883,100

Totals by subject A

	Sums	Multiplication	Division	Total
1	63,488	140,462	299	204,249
2	66,253	125,861	299	192,413
3	72,557	162,024	247	234,828

Answer to each problem B

		B1	B2	B3	B4	B5
1	Sums	16,818	27,927	21,112	23,041	89,793
	Multiplication	137,199	565,359	113,413	499,426	241,758
	Division	106	39	904	65	203
	All 3 subjects	154,123	593,325	135,429	522,532	331,754
2	Sums	33,948	25,047	22,087	22,224	91,845
	Multiplication	194,325	72,512	128,856	454,660	533,664
	Division	572	91	208	86	743
	All 3 subjects	228,845	97,650	151,151	476,970	626,252
3	Sums	23,235	16,612	9,180	36,774	78,984
	Multiplication	143,073	168,912	240,184	180,885	128,792
	Division	167	97	318	83	508
	All 3 subjects	166,475	185,621	249,682	217,742	208,284

Answer to each problem D

		D1	D2	D3	D4	D5
1	Sums	1,175,589	1,003,014	2,468,448	3,302,703	4,094,542
	Multiplication	37,388,292	11,331,188	12,292,632	12,382,755	49,808,919
	Division	701	1,803	5,023	905	2,074
	All 3 subjects	38,564,582	12,336,005	14,766,103	15,686,363	53,905,535
2	Sums	1,021,773	3,033,261	1,396,221	3,007,944	3,806,498
	Multiplication	6,389,344	25,744,326	62,073,144	15,857,954	42,186,846
	Division	629	9,487	1,372	805	5,021
	All 3 subjects	7,411,746	28,787,074	63,470,737	18,866,703	45,998,365
3	Sums	3,130,605	1,712,953	1,094,267	3,247,749	2,301,401
	Multiplication	60,738,512	37,903,723	3,185,952	20,203,182	39,443,196
	Division	613	8,273	2,536	306	4,796
	All 3 subjects	63,869,730	39,624,949	4,282,755	23,451,237	41,749,393

Totals by subject B

	Sums	Multiplication	Division	Total
1	178,691	1,557,155	1,317	1,737,163
2	195,151	1,384,017	1,700	1,580,868
3	164,785	861,846	1,173	1,027,804

Answers Triple Jump Cards

Totals by subject C

	Sums	Multiplication	Division	Total
1	944,901	16,532,297	2,810	17,480,008
2	1,326,515	13,043,642	4,436	14,374,593
3	1,405,758	12,770,191	3,958	14,179,907

Totals for teams of 3 A

		A1	A2	A3	A4	A5
I 1-3	Sums	42,018	46,431	39,829	37,916	36,104
	Multiplication & Division	41,143	50,974	132,027	73,437	131,611
	All 3 subjects	83,161	97,405	171,856	111,353	167,715

Totals for teams of 3 C

		C1	C2	C3	C4	C5
I 1-3	Sums	534,956	651,406	505,720	933,543	1,051,549
	Multiplication & Division	3,435,824	7,647,811	11,711,164	11,321,542	8,240,993
	All 3 subjects	3,970,780	8,299,217	12,216,884	12,255,085	9,292,542

Totals by subject D

	Sums	Multiplication	Division	Total
1	12,044,296	123,203,786	10,506	135,258,588
2	12,265,697	152,251,614	17,314	164,534,625
3	11,486,975	161,474,565	16,524	172,978,064

Totals for teams of 3 B

		B1	B2	B3	B4	B5
I 1-3	Sums	74,001	69,586	52,379	82,039	260,622
	Multiplication & Division	475,442	807,010	483,883	1,135,205	905,668
	All 3 subjects	549,443	876,596	536,262	1,217,244	1,166,290

Totals for teams of 3 D

		D1	D2	D3	D4	D5
I 1-3	Sums	5,327,967	5,749,228	4,958,936	9,558,396	10,202,441
	Multiplication & Division	104,518,091	74,998,800	77,560,659	48,445,907	131,450,852
	All 3 subjects	109,846,058	80,748,028	82,519,595	58,004,303	141,653,293