

Stage	AP cost	Helmet	Statement	Chip	Event points		Runs	AP cost	Helmet	Statement	Chip	Event points
1	10	6	2		4		1	0	0	0	0	0
2	10		5	2	4		2	0	0	0	0	0
3	10	2		5	4		3	0	0	0	0	0
4	10	1	1	1	16		4	0	0	0	0	0
5	15	20			6		5	0	0	0	0	0
6	15		17		6		6	0	0	0	0	0
7	15			15	6		7	0	0	0	0	0
8	15	3	3	3	24		8	0	0	0	0	0
9	20	40			8		9	0	0	0	0	0
10	20		32		8		10	14	280	0	994	0
11	20			27	8		11	45	900	0	0	2700
12	20	6	6	6	32		12	64	1280	896	896	896
									2460	896	1890	3596
									2640	2134	2936	4515
Bonus% (100 is double)		120	120	120	120							
1		14	5	0	9							
2		0	11	5	9							
3		5	0	11	9							
4		3	3	3	36							
5		44	0	0	14							
6		0	38	0	14							
7		0	0	33	14							
8		7	7	7	53							
9		88	0	0	18							
10		0	71	0	18							
11		0	0	60	18							
12		14	14	14	71							
First clear		100	40	40	100							
		40	80	80	100							
		20	20	20	200							
		280	240	200	100							
		40	40	40	100							
		600	480	400	100							
		80	80	80	280							
					100							
					100							
					100							
					500							
		1238	1046	919	1906							

Stage	AP cost	points	ticket	penlight	cake	Runs	AP cost	points	ticket	penlight	cake	gifts	
1	10	9	11			1	0	0	0	0	0	forbidden love	anthology
2	10	9		11		2	0	0	0	0	0	matcha ramune	mx ration
3	10	9			11	3	0	0	0	0	0	ring bit	cheese wheel
4	10	17	1	1	1	4	0	0	0	0	0		
5	15	6	24			5	0	0	0	0	0		
6	15	6		24		6	0	0	0	0	0		
7	15	6			24	7	0	0	0	0	0		
8	15	27	1	1	1	8	0	0	0	0	0		
9	20	3	37			9	15	300	90	1095	0		
10	20	3		37		10	45	900	270	0	3195		
11	20	3			37	11	64	1280	384	0	0	4544	
12	20	40				12	0	0	0	0	0	0	
								2480	744	1095	3195	4544	
								2660	3690	3269	5369	6718	
Bonus% (100 is double)		points	ticket	penlight	cake								
		100	95	90	90								
1		18	22	0	0	Bonus:							
2		18	0	21	0	min	90	45	45	45			
3		18	0	0	21	max	100	100	100	100			
4		34	2	2	2	other	100	95	90	90		points/eleph	AP/eleph
5		12	47	0	0						first 100 eleph:	55	13.75
6		12	0	46	0	Item	points	ticket	penlight	cake	after:	450	112.5
7		12	0	0	46	Shop total	15000	11915	13900				
8		54	2	2	2	Shop skip	0	5100	2550		reward track eleph		
9		6	73	0	0	farming needs	12054	4641	9176	-2174	120		
10		6	0	71	0								
11		6	0	0	71								
12		80	0	0	0								
First clear		100	150	150	150	1	0.9925220938						
		100	150	150	150	2	1.002824859						
		100	150	150	150	3	1.002824859						
		100	300	300	300	4	0.9951137095						
		200	100	100	100	5	1.00597152						
		200	800	800	800	6	1.00093985						
		200	300	300	300	7	1.00093985						
		200	150	150	150	8	0.9967371586						
		300				stage 9	0.2534246575						
		300				stage 10	0.2605633803						
		300				stage 11	0.2605633803						
		300				stage 12	0.25						
		408											
		2946	2174	2174	2174								
Currency	AP cost		Grey book cost	grey stone cost	rusty pin cost	T1 artifact cost	T2 artifact cost						
1	0.26056		0.3	1	5	5	15						
Bonus% (100 is double)													
0													
Total currency	AP/currency		If buying XP:	If buying stones:	Weapon XP:	T1 arti	T2 arti						
1	0.26056		639.6479378	7675.775253	7.675775253	6140.620203	6396.479378						
			Relative value										
Version			2.558591751	2.074393691	0.4749679185	1.659514952	1.728661409						
JP													
			JFD artifact										
			T1 cost	T2 cost	T3 cost	T4 cost							
			5	15	50	200							
			Relative value (compared to buying XP at JFD shop)										
			0.3744280611	0.5616420917	0.4493136734	0.2340175382							

Stage	AP cost	tickets	mooncake	medicine?		Runs	AP cost	tickets	mooncake	medicine?		gifts	
1	10	10	8	5	5	1	0	0	0	0	0	forbidden love	anthology
2	10	10	5	8	5	2	0	0	0	0	0	matcha ramune	mx ration
3	10	10	5	5	8	3	0	0	0	0	0	ring bit	cheese wheel
4	10	12	12	3	3	4	0	0	0	0	0		
5	15	15	15	6	6	5	0	0	0	0	0		
6	15	6	15	6	6	6	0	0	0	0	0		
7	15	6	6	15	15	7	0	0	0	0	0		
8	15	23	2	2	2	8	0	0	0	0	0		
9	20	28	4	4	4	9	15	300	810	120	120		
10	20	4	32			10	45	900	360	2700	0		
11	20	4		32		11	64	1280	512	0	3904		
12	20	36		0		12	0	0	0	0	0		
		tickets	mooncake	medicine?				2480	1682	2620	4024		
Bonus% (100 is double)		90	85	90	0			2660	10889	4266	5460		
1		16	10	10	0	Bonus:							
2		10	15	10	0	min		30	0	45			
3		10	10	16	0	max		105	100	100			
4		23	6	6	0	other		90	85	90			
5		29	12	12	0	Item		tickets	mooncake	medicine?			
6		12	28	12	0	Shop total		15000	11915	13900			
7		12	12	29	0	Shop skip		0	5100	2550			
8		44	4	4	0	farming needs		5793	5369	9914	0		
9		54	8	8	0								
10		8	60	0	0								
11		8	0	61	0								
12		69	0	0	0								
First clear		800	50	50		stage 9		0.2717391304	square cost	250			
		1200	200	100		stage 10		0.2946859903	credit/tile	25000	100		
		800	100	200		stage 11		0.2898550725	round	type	count		
		1600	100	100		stage 12		0.2898550725	1.4	3x2	1		
			250	150						3x1	5		
		200	150	250					2.5	2x1	2		
		200								4x2	1		
		2000	450	450						2x2	2		
		2255	60	50					3.6	3x1	3		
										3x3	1		
										1x4	3		
										2x1	2		
									7+	2x2	2		
										3x1	3		
										2x1	6		
Currency		AP cost	Grey book cost	grey stone cost	rusty pin cost	T1 artifact cost	T2 artifact cost						
1		0.289855	0.3	1	5	5	15						
Bonus% (100 is double)		0											
Total currency		AP/currency	If buying XP:	If buying stones:	Weapon XP:	T1 arti	T2 arti						
1		0.289855	575.0001438	6900.001725	6.900001725	5520.00138	5750.001438						
Version			Relative value										
JP			2.300000575	1.864739335	0.4269639676	1.491791468	1.553949446						
			JFD artifact										
			T1 cost	T2 cost	T3 cost	T4 cost							
			5	15	50	200							
			Relative value (compared to buying XP at JFD shop)										
			0.33658545	0.504878175	0.40390254	0.2103659063							

Stage	AP cost	doll	tea set	?		Runs	AP cost	doll	tea set	?		gifts	
1	10	8	5	5		1	0	0	0	0		forbidden love	anthology
2	10	5	8	5		2	0	0	0	0		matcha ramune	mx ration
3	10	5	5	8		3	0	0	0	0		ring bit	cheese wheel
4	10	12	3	3		4	0	0	0	0			
5	15	15	6	6		5	0	0	0	0			
6	15	6	15	6		6	0	0	0	0			
7	15	6	6	15		7	0	0	0	0			
8	15	23	2	2		8	0	0	0	0			
9	20	28	4	4		9	15	300	705	105	105		
10	20	4	32			10	45	900	315	2340	0		
11	20	4		32		11	64	1280	448	0	3584		
12	20	36		0		12	0	0	0	0	0		
		doll	tea set	?				2480	1468	2445	3689		
Bonus% (100 is double)		65	60	75	0			2660	3785	3991	5225		
1		14	8	9	0	Bonus:							
2		9	13	9	0	min		40	30	30			
3		9	8	14	0	max		105	100	100			
4		20	5	6	0	other		65	60	75			
5		25	10	11	0	Item		doll	tea set	?		prize exchange 9+	
6		10	24	11	0	Shop total		15000	11915	13900		currency	10
7		10	10	27	0	Shop skip		0	5100	2550		xp	122500
8		38	4	4	0	farming needs		12683	5269	9814	0	credits	1325000
9		47	7	7	0							JFD coin worth	70.5
10		7	52	0	0								
11		7	0	56	0								
12		60	0	0	0								
First clear		200	50	50		stage 9		0.3095238095					
		300	200	100		stage 10		0.3397435897					
		200	100	200		stage 11		0.3154761905					
		400	100	100		stage 12		0.3333333333					
		300	250	150									
		50	150	250									
		50	100	100									
		500	450	450									
		165	60	50									
		2317	1546	1536	0								
Currency		AP cost	Grey book cost	grey stone cost	rusty pin cost	T1 artifact cost	T2 artifact cost						
1		0.2777777778	0.3	1	5	5	15						
Bonus% (100 is double)		0											
			If buying XP:	If buying stones:	Weapon XP:	T1 arti	T2 arti						
Total currency		AP/currency	per AP:										
1		0.2777777778	600	7200	7.2	5760	6000						
			Relative value										
Version			2.4	1.945814472	0.445527507	1.556651578	1.62151206						
JP													
			JFD artifact										
			T1 cost	T2 cost	T3 cost	T4 cost							
			5	15	50	200							
			Relative value (compared to buying XP at JFD shop)										
			0.3512195122	0.5268292683	0.4214634146	0.2195121951							

Stage	AP cost	wristband	whistle	lifesaver		Runs	AP cost	wristband	whistle	lifesaver		gifts	
1	10	8	5	5		1	0	0	0	0	0	forbidden love	anthology
2	10	5	8	5		2	0	0	0	0	0	matcha ramune	mx ration
3	10	5	5	8		3	0	0	0	0	0	ring bit	cheese wheel
4	10	12	3	3		4	0	0	0	0	0		
5	15	15	6	6		5	0	0	0	0	0		
6	15	6	15	6		6	0	0	0	0	0		
7	15	6	6	15		7	0	0	0	0	0		
8	15	23	2	2		8	0	0	0	0	0		
9	20	28	4	4		9	15	300	780	120	120		
10	20	4	32			10	45	900	360	2880	0		
11	20	4		32		11	64	1280	512	0	4096		
12	20	36				12	0	0	0	0	0		
		wristband	whistle	lifesaver				2480	1652	3000	4216	0	
Bonus% (100 is double)		85	100	100	0			2660	3969	4546	5752	0	
1		15	10	10	0	Bonus:							
2		10	16	10	0	min		35	50	65			
3		10	10	16	0	max		100	100	100			
4		23	6	6	0	other		65	80	95			
5		28	12	12	0	Item		wristband	whistle	lifesaver		prize exchange 9+	
6		12	30	12	0	Shop total		15000	11915	13900		currency	10 135.126005
7		12	12	30	0	Shop skip		0	5100	2550		xp	122500 490
8		43	4	4	0	farming needs		12683	5269	9814	0	credits	1325000 358.0839132
9		52	8	8	0							JFD coin worth	70.5
10		8	64	0	0								
11		8	0	64	0								
12		67	0	0	0								
First clear		200	50	50		stage 9		0.2798507463				Prize exchange cost	
		300	200	100		stage 10		0.2751865672				537.3134328	
		200	100	200		stage 11		0.2751865672				AP value	
		400	100	100		stage 12		0.2985074627				983.2099182 1.829862903	
		300	250	150								eleph cost	
		50	150	250								179.1044776	
		50	100	100									
		500	450	450									
		165	60	50									
		2317	1546	1536	0								
Currency		AP cost	Grey book cost	grey stone cost	rusty pin cost	T1 artifact cost	T2 artifact cost						
1	0.2777777778		0.3	1	5	5	15						
Bonus% (100 is double)		0											
			If buying XP:	If buying stones:	Weapon XP:	T1 arti	T2 arti						
Total currency		AP/currency	per AP:										
1	0.2777777778		600	7200	7.2	5760	6000						
			Relative value										
Version			2.4	1.945814472	0.445527507	1.556651578	1.62151206						
JP													
			JFD artifact										
			T1 cost	T2 cost	T3 cost	T4 cost							
			5	15	50	200							
			Relative value (compared to buying XP at JFD shop)										
			0.3512195122	0.5268292683	0.4214634146	0.2195121951							

AP cost	calendar	cake	candy	event points	Runs	1	AP cost	calendar	cake	candy	event points	gifts	multia ramune	MX ration
1	10	6	6	6		1		0	0	0	0			
2	10	9	9	0		2		0	0	0	0		walcoat	movie ticket
3	10	9	0	0		3		0	0	0	0		buffer lock	ring bit
4	10	18	0	0		4		0	0	0	0			
5	15	5	11	11		5		0	0	0	0			
6	15	5	7	7		6		0	0	0	0			
7	15	5	15	7		7		0	0	0	0			
8	15	27	0	0		8		0	0	0	0			
9	20	4	16	16		9	1	20	9	36	36	0		
10	20	4	26	5		10		120	66	348	66	0		
11	20	5	5	26		11		9	180	99	522	0		
12	20	26	0	0		12	99	19980	79324	0	0	0	stage 2	0.25
								20300	20300	483	624	0	stage 3	0.25
								20480	83362	2053	2194	0		
Bonus% (100 is double)	calendar	cake	candy	event points				110	120	120	0			
1	13	14	14	0		1	Bonus:	80	70	100	calendar	10	11 stage 9	1
2	19	0	0	0		2	min	110	120	125	0.2631578047	0.2479023646	0.2479023646	0.2448830409
3	19	0	20	0		3	max	110	120	120				9.9819121447
4	28	0	0	0		4	other	110	120	120				0.9928151535
5	11	25	25	0		5	item	30240	11795	13900	event points	reports slightly better than 3x commission???	1.012229656	11.0928151535
6	11	33	16	0		6	Shop total	0	8340	10100	15000	stones worse		
7	11	16	33	0		7	Shop skip	22996	1885	2230	15000			
8	57	0	0	0		8	farming needs							
9	9	36	36	0		9								
10	11	58	11	0		10								
11	11	11	58	0		11								
12	76	0	0	0		12								
First clear	100	100	100											
	150	100	150											
	150	175	175				minigame cost	secret ending	gear	elph	credit	first clear	gear	elph
	300	350	50				5040	normal	40	5	750000	200 pyro	30	35
	50	50	350				AP cost					200 pyro	30	20
	300	50	50				1328.31578947	0.2631578947				5000000	200 pyro	5000000
	250	125	125					stage 9						
	125	250	125				commission value inc. credits	10	0.2479023646	1.012329656	single schedule			
	125	125	250				0.7235303982	280000	11	0.2479023646	1.012329656	currency		
	500	100	100				AP/elph	event points	event point/leph first 20			180	100000	
	5100						84.01848407	2696.5	250	112.5				
	7284	1570	1570	0			AP/points	0.4918666738	10.786	23.97	15.79	elph cat	1586	19.99111111
Currency	AP cost	Grey book cost	grey stone cost	rusty pin cost	T1 artifact cost	T2 artifact cost						total AP		

[illegible]

	theory	872	829	935	122	-12	115	35	-3				4391
	practice	860	969	955	116	100	25	-15	-3			4391	
3204	theory	855	1139	995	115	6	-140	25	-1	297		4688	
	exercise	980	1130	1120	113	25	-9	125	-2			4688	
	practice	1095	1165	1108	110	115	35	-12	-3			4688	
	theory	1089	1205	1143	108	-6	-140	25	-2			4688	
3752	theory	1074	1405	1168	105	-5	100	25	-3	330		5018	
	theory	1069	1575	1208	104	-5	170	40	-1			5018	
	theory	1060	1700	1233	102	-9	125	25	-2			5018	
	theory	1048	1815	1368	99	-12	115	35	-3			5018	
4369	theory	1039	1940	1293	97	-9	125	25	-2	370		5388	
	practice	1164	1965	1284	95	125	25	-9	-2			5388	
	practice	1279	2000	1272	92	115	35	-12	-3			5388	
	exercise	1304	1985	1372	89	25	-15	100	-3			5388	
4885	exercise	1339	1973	1487	86	35	-12	115	-3	406		5794	
	exercise	1364	1964	1612	84	25	-9	125	-2			5794	
	exercise	1389	1962	1727	81	35	-12	115	-3			5794	
	exercise	1434	1940	1842	78	35	-12	115	-3			5794	
5433	practice	1559	1995	1833	76	125	25	-9	-2	449		6243	
	exercise	1599	1960	2000	75	40	-5	167	-3			6243	
	practice	1714	1995	1988	72	115	35	-12	-3			6243	
	sugar	1629	1905	1903	99	-85	-90	85	27			6243	
5679	theory	1734	1930	1894	97	125	25	-9	-2	469		6712	
	sugar	1664	1845	1809	123	-90	-85	-85	26			6712	
	practice	1834	1885	1804	122	170	40	-5	-1			6712	
	exercise	1889	1870	1904	119	25	-15	100	-3			6712	
5887	practice	1974	1905	1862	116	115	35	-12	-3	485	2806	7197	
												7197	
	round 4 start	889	862	856	125	-1085	-1043	-1036	9			7197	
	sugar	804	772	771	152	-85	-85	-85	-1			7197	
	sugar	719	687	681	177	-85	-85	-80	25			7197	
	sugar	629	602	596	200	-90	-85	-85	23			7197	
2194	exercise	664	596	736	198	35	-6	140	-2	228		7425	
	theory	649	696	761	195	-15	100	25	-3			7425	
	practice	749	721	746	192	100	25	-15	-3			7425	
	theory	740	846	771	190	-9	125	25	-2			7425	
2714	practice	860	881	765	188	140	35	-6	-3	272		7697	
	exercise	905	866	865	185	25	-15	100	-3			7697	
	theory	900	1038	905	184	-5	170	40	-1			7697	
	practice	1025	1081	896	182	125	25	-9	-2			7697	
3271	exercise	1050	1048	996	179	25	-15	100	-3	301		7998	
	exercise	1075	1031	1096	176	25	-15	100	-3			7998	
	theory	1086	1156	1121	174	-9	125	25	-2			7998	
	practice	1191	1181	1112	172	125							

stage	AP cost	card	clipboard	guide flag		Runs	1	AP cost	card	clipboard	guide flag		gifts	matcha ramune	MX ration					
	1	10	10	3	3		2	0	0	0	0	0	0	wavecat	movie ticket					
	2	10	10	13	3		3	0	0	0	0	0	0	buffet ticket	ring bit					
	3	10	10	3	13		4	0	0	0	0	0	0							
	4	10	16				5	0	0	0	0	0	0							
	5	15	16	4	4		6	0	0	0	0	0	0							
	6	15		20	4		7	0	0	0	0	0	0							
	7	15		4	20		8	0	0	0	0	0	0							
	8	15	24				9	0	0	0	0	0	0							
	9	20	24	4	4		10	199	3980	1992	8955	0	0	stage 1	0.9909747292					
	10	20	4	28			11	225	4500	1800	0	12150	0	2	0.9960087083					
	11	20	4		28		12	254	5080	15494	0	0	0	3	1.002434571					
	12	20	32						13560	18888	8955	12150	0	4	0.9838709677					
Bonus% (100 is double)																				
	card	clipboard	guide flag					13740	21181	10554	13729	0	5	1.00459499						
1	90	60	90	0		Bonus:														
2		0	21	6	0	min	60	45	15	0.3278688525	0.3861566485	0.321797207	8	0.9945652174						
3		0	5	25	0	max	110	105	105				9	0.9823452225						
4		0	0	0	0	other	90	75	90											
5	31	7	8	0	0	item	card	clipboard	guide flag											
6	0	32	8	0	0	Shop total	21130	13350	15455											
7	0	7	38	0	0	Shop skip	0	2000	1730											
8	46	0	0	0	0	farming needs	18835	9751	12146	0										
9	46	7	8	0	0															
10	8	45	0	0	0															
11	8	0	54	0	0															
12	61	0	0	0	0															
currency-credit status																				
150000																				
arti																				
purple																				
gold																				
blue																				
grey																				
equips																				
currency																				
First clear	200	50	50			AP value	672.403216	20.17209648	3.00%	3.00%	kirara	1000000	60000	purple	gold	blue	grey	equips	currency	
	300	200	100				636.9567597	19.19870279	3.00%	3.00%	umika	1000000			2				10	4
	200	100	200			card draw cost	656.1799878	19.68539964	3.00%	3.00%	g tsubaki	1000000	30000	384000	2				10	4
	400	100	100			200														
	300	250	150			AP cost	204.100804	19.28201338	9.44%	5.00%	g pina	100000	24000		2				5	2
	50	150	250			65.57377049	211.8775758	19.95994622	9.44%	5.00%	g kaede	100000		384000	2				5	2
	50	100	100				195.0170024	18.40473819	9.44%	5.00%	erika	100000	12000	144000	2				5	2
	500	450	450			commission valu	174.6930613	16.48665766	9.44%	5.00%	chise	100000	8000	128000	4	2			5	2
	165	120	100			2.904218534														
						currencyAP	144.5882035	16.80837866	11.63%	15.50%	arata	50000	12500				5	2	3	2
						34.73982686	148.6386055	17.27923789	11.63%	15.50%	student	50000		200000			5	2	3	2
							75.9428417	11.39142625	15.00%	20.00%	tengu	20000	7500				8		2	1
							78.3730829	11.75596243	15.00%	20.00%	kabuki	20000		120000			8		2	1
								190.4405596	100.00%	100.00%										
Currency	AP cost	Grey book cost	grey stone cost	rusty pin cost	T1 artifact cost	T2 artifact cost														
	1	0.3017241379	0.3	1	5	5	15													
Bonus% (100 is double)																				
Total currency	AP/currency																			
	1	0.3017241379																		
Version																				
JP																				

[illegible]

Stage	AP cost	target	pamphlet	necktie		Runs	AP cost	target	pamphlet	necktie		gifts
1	10	4	6	6		1	0	0	0	0	0	matcha ramune
2	10	5	6	5		2	0	0	0	0	0	wavecat
3	10	5	5	6		3	0	0	0	0	0	buffet ticket
4	10	8	4	4		4	0	0	0	0	0	
5	15	7	7	7		5	0	0	0	0	0	
6	15	4	16	4		6	0	0	0	0	0	
7	15	4	4	16		7	0	0	0	0	0	
8	15	18	3	3		8	0	0	0	0	0	
9	20	6	6	6		9	1	20	11	12	0	
10	20		32			10	254	5080	0	14732	0	
11	20			32		11	261	5220	0	0	15660	
12	20	32				12	217	4340	13888	0	0	0
		target	pamphlet	necktie			14660	13928	14743	15672	0	
Bonus% (100 is double)		100	80	85	0		14840	16326	16472	17401	0	
1		8	11	12	0	Bonus:						
2		10	11	10	0	min	70	70	70			
3		10	9	12	0	max	100	100	100			
4		16	8	8	0		90	95	80			
5		20	13	13	0	Item	target	pamphlet	necktie			
6		8	29	8	0	Shop total	14400	15705	17810			
7		8		30	0	Shop skip	0	0	1730			
8		36	6	6	0	farming needs	12002	13976	14351	0		
9		40	11	12	0							
10		0	58	0	0	box cost						
11		0	0	60	0	1800						
12		64	0	0	0	AP cost	562.5	AP cost per invitation	150			
First clear		100	100	100		AP cost/item from these stages				box odd	20 eleph	box 9+
		50	200	50		10 0.3448275862					30 glasses	
		50	50	200		11 0.3333333333					XP	189000
		200	50	50		12 0.3125					JFD arti	30,15,8,3
		250	100	100		Stage	equiv. AP value	% value compared to 10-12			gear	70
		100	250	100		1 10.29310345		102.93%				
		100	100	250		2 10.25143678		102.51%				
		350	50	50		3 10.22844828		102.28%				
		400	100	100		4 10.42528736		104.25%				
		600	600	600		5 15.06609195		100.44%				
		88	40	40		6 15.16666667		101.11%				
		2398	1729	1729	0	7 15.25862069		101.72%				
						8 15.31896552		102.13%				
						9 20.29310345		101.47%				
										box even	20 eleph	
											30 glasses	
											stones	2800000
											jfd arti and gear same	
Currency	AP cost		Grey book cost	grey stone cost	rusty pin cost	T1 artifact cost	T2 artifact cost					
1	0.3125		0.3	1	5	5	15					
Bonus% (100 is double)	0		If buying XP:	If buying stones:	Weapon XP:	T1 arti	T2 arti					
Total currency	AP/currency		per AP:									
1	0.3125		533.3333333	6400	6.4	5120	5333.333333					
Version			Relative value									
JP			2.133333333	1.729612864	0.3960244507	1.383690291	1.441344053					
			JFD artifact									
			T2 cost	T3 cost	T4 cost							
			5	15	50	200						
			Relative value (compared to buying XP at JFD shop)									
			0.312195122	0.4682926829	0.3746341463	0.1951219512						

[illegible]

Stage	AP cost	Points	Glass	Napkin		Runs	AP cost	Points	Glass	Napkin		gifts	
1	10	6	7	7		1	0	0	0	0	0	matcha ramune	MX ration
2	10	6	7	7		2	0	0	0	0	0	wavecat	movie ticket
3	10	6	8	6		3	0	0	0	0	0	buffet ticket	ring bit
4	10	6	6	8		4	0	0	0	0	0		
5	15	9	14	7		5	0	0	0	0	0		
6	15	9	7	14		6	0	0	0	0	0		
7	15	9	16	5		7	0	0	0	0	0		
8	15	9	5	16		8	0	0	0	0	0		
9	20	12	24	4		9	268	5360	6968	12864	2144		
10	20	12	4	24		10	319	6380	8294	2552	15312		
11	20	12	28			11	0	0	0	0	0		
12	20	12		28		12	0	0	0	0	0		
		Points	Glass	Napkin				11740	15262	15416	17456	0	
Bonus% (100 is double)		110	100	100	0			11920	16358	17757	19797	0	
1		13	14	14	0								
2		13	14	14	0								
3		13	16	12	0								
4		13	12	16	0								
5		19	28	14	0								
6		19	14	28	0								
7		19	32	10	0								
8		19	10	32	0								
9		26	48	8	0								
10		26	8	48	0								
11		26	56	0	0								
12		26	0	56	0								
First clear		150	150	150									
		300	200	100									
		450	100	200									
		88	75	75									
			225	225									
			300	150									
			150	300									
			75	75									
			300	300									
			600	600									
			40	40									
		1096	2341	2341	0								

[illegible]

[illegible]

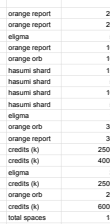
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250	3700.25		500		8000		3	10
JP			2000		32000		5	20
250	3700.25		10000		128000		10	50
JFD comparison							25	100
0.487804878	2.195121951	5.853658537	12.19512195					
0.487804878								
weapon XP								
16.16061834								

Stage	AP cost	Points	Ticket	Sulcase	Whistle	Runs	AP cost	Points	Ticket	Sulcase	Whistle	gifs	lip gloss	BB cream
1	10	10	3	9	3	1	0	0	0	0	0	0	0	0
2	10	3	3	3	9	2	740	740	444	444	1332	444	0	0
3	10	3	3	3	3	3	0	0	0	0	0	0	0	0
4	10	18				4	0	0	0	0	0	0	0	0
5	15	4		18	5	5	0	0	0	0	0	0	0	0
6	15	4			18	6	0	0	0	0	0	0	0	0
7	15	4	5		18	7	0	0	0	0	0	0	0	0
8	15	27				8	0	0	0	0	0	0	0	0
9	20	6	30			9	0	0	0	0	0	0	0	0
10	20	6		30		10	0	0	0	0	0	0	0	0
11	20	6			30	11	0	0	0	0	0	0	0	0
12	20	36				12	0	0	0	0	0	0	0	0
							740	444	444	1332	444			
							920	2334	1622	2510	1602			
Bonus's (100 is double)	Points	Ticket	Sulcase	Whistle		Points	Ticket	Sulcase	Whistle			blueprints		
	100	95	100	100										
1	6	18	6	6	6	bonus	60	30	30	45	daily mission:	6	total	13
2	6	6	18	6	6	min	110	100	100	100	25 quest	375	300	300
3	6	6	6	18	6	max	100	100	100	100	700 event items (not points)	10500		
4	36	0	0	0	0	custom		95	100	100				
5	8	36	10	0	0						defeat highlanders:	stages 1-4	2	1
6	8	36	10	0	0							20	3	1.5
7	8	10	0	36	10	Item	Points	Ticket	Sulcase	Whistle		7	20	4
8	54	0	0	0	0	Shop total	15000	10625	11275	10250	11	22		2
9	12	59	0	0	0	Shop skip	0	150	1500		challenge 3	41		
10	12	0	60	0	0	farming needs	13110	9297	8597	9092	2959	134.5	8070	
11	12	0	60	0	0									
12	72	0	0	0	0									
						12	0.2777777778				total items	1-4	6.666666667	4.444444444
First clear	50	150	50	50	50	8	0.2777777778				32150	5-8	13.33333333	8.333333333
	50	50	150	50	50	4	0.2777777778	1			2143.333333	9-12	22.22222222	16.14987099
	50	50	150	50	150	9	0.2624856787						38.37209322	1.918604661
	300	250	100	100	100	10	0.2777777778							
	150	100	250	250	250	11	0.2777777778							
	400	450	450	450	450	5	-0.1694915254	0.988700565	0.2762939449	Currency	AP cost	Grey book cost	grey stone cost	rusty pin cost
	150	60	60	40	40	6	0	1	0.2777777778	1	0.424403183	0.5	1	5
	500					7	-0.04708097628	0.966861261	0.2759505076	Bonus% (100 is double)				
	120					1	-0.0847576271	0.9915204237	0.2800919276	0				
						2	-0.02824856787	0.9971751412	0.2769930948	Total currency	AP/currency	if buying XP:	if buying stones:	Weapon XP:
						3	-0.02824856787	0.9971751412	0.2769930948	1	0.424403183	235.625	4712.5	4.7125
	1890	1178	1178	1158								3770	3927	083334
												Relative value	0.9425000001	1.273562597
													0.2916039413	1.018850078
													1.061302164	
reward track		credit	XP	stone		Version								
6000-11000	1388.88889	3000000	80000	5696000	Global									
		810.75603	320	1539.355449										
12000	277.777778	1500000			2670.11479	1.922480265								
13000		40000			405.378015	1.459360854								
14000					100	1.017680427								
15000		2000000			540.594002	1.327058442								
			100000		400	1.355293831								
												Relative value (compared to buying XP at JFD shop)	0.2298780468	0.3448170732
													0.2758856896	0.1426737865

Sage	AP cost	Point	Baton	Bread	Pamphlet		Runs			AP cost	Point	Baton	Bread	Pamphlet		gifts	matcha ramune	MX ration		
1	10	6	6	6	6		1	129	1290	1677	1548	1677	0							
2	10	6			6	6	2	694	6940	9022	0	9022	9716			wavacat	movie ticket			
3	10	6	6	6	6	6	3	0	0	0	0	0	0	0		buffet ticket	ring bit			
4	10	10	2	2	2	2	4	0	0	0	0	0	0	0						
5	15	9	12	6			5	0	0	0	0	0	0	0						
6	15	9		12	6	6	6	0	0	0	0	0	0	0						
7	15	9	6		12		7	0	0	0	0	0	0	0						
8	15	18	2	2	2	2	8	0	0	0	0	0	0	0						
9	20		36				9	0	0	0	0	0	0	0						
10	20				36		10	35	700	0	0	2660	0	0						
11	20					36	11	0	0	0	0	0	0	0						
12	20	32					12	340	6800	23120	0	0	0	0						
								Subtotal	15720	33819	1540	13359	9716							
								inc. first clear	15910		40559	3538	15349	11706						
Bonus% (100 is double)		Point	Baton	Bread	Pamphlet															
		110	100	110	120															
1		13	12	13	0		Bonus:													
2		13	0	13	14		min	70	50	90	30									
3		13	12	0	14		max	110	120	120	120									
4		21	4	5	5		custom	110	100	110	120									
5		19	24	13	0		Item	Point	Baton	Bread	Pamphlet									
6		19	0	26	14		Shop total	40515	13440	16710	14700									
7		19	12	0	27		Shop skip		9910	1400	3000									
8		38	4	5	5		farming needs	33775	1540	13320	9710									
9		0	72	0	0		TODO	40515	3530	15310	11700									
10		0	0	76	0															
11		0	0	0	80															
12		68	0	0	0															
								dice cost												
								500												
First clear		150	150	150	150		AP cost	eligma AP cost		Currency	AP cost		Grey book cost	grey stone cost	rusty pin cost	T1 artifact cost	T2 artifact cost			
		150	150	150	150		147.0588235	294.1176471	ratio	1	0.237556		1	1	5	3	10			
		150	50	50	50						Bonus% (100 is double)									
		250	300	150	150		9	0.2777777778			0		If buying XP:	If buying stones:	Weapon XP:	T1 arti	T2 arti			
		225	150	300	300		10	0.2631578947			Total currency	AP/currency	per AP:	210.4766876	8419.067504	8.419067504	11225.42334	10523.83438		
		225	50	50	50		11	0.25			1	0.237556		0.8419067504	2.275269915	0.5209619662	3.03369322	2.844087394		
		225	900	900	900		4	0.2731092437	1.035896799		Relative value									
		450	170	170	170		8	0.2731092437	1.035896799		JFD artifact									
		800					5	0.2543720191	0.9157392687		T1 cost	T2 cost	T3 cost	T4 cost						
		510					6	0.2352941176	0.8941176471		3	10	25	50						
		3500					7	0.2413273002	0.9653092006											
		6740	1990	1990	1990		1	0.2470588235	0.8941176471											
							2	0.2287581699	0.8692810458											
							3	0.2375565611	0.9502262443											

(yuuka is standing on 1 slime)



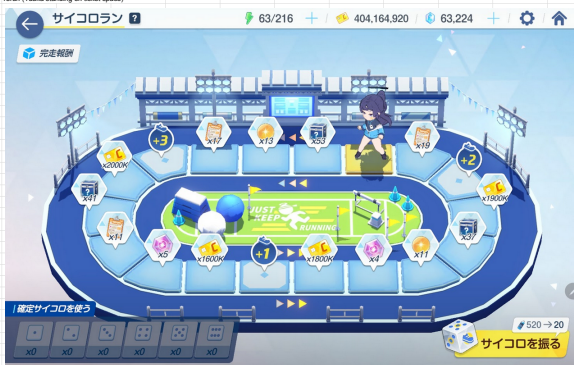
	NETT FREQ	
orange report	4	0.2
orange report	4	0.2
eligma	1	0.05
orange report	2	0.2
orange orb	2	0.2
hasumi shard	3	0.2
hasumi shard	1	0.2
hasumi shard	2	0.2
hasumi shard	1	0.2
eligma	1	1
orange orb	6	0.2
orange report	6	0.2
credits (k)	500	0.2
credits (k)	800	0.2
eligma	1	0.3333333333
credits (k)	500	0.2
orange orb	4	0.2
credits (k)	1200	0.2
total spaces	18	18

	max bonus
5	147.058235
4	43.82222222
7	290.1333333
6	3437.777778
8	0.175288889
3	0.0784091165
4	0.9290663544
6	1.18276436

Summer SIRT Doc run	Notes:	AP value			
credits (k)	3200	864.8064332	236 pyro worth		
orange orb	15	129.7209685			
orange report	22	176			
eligma	8				
myyu shard	7				
eligma	12		297 pyro worth		
credits (k)	2400	648.604824			
ticket		+6 space			
credits (k)	1600	432.403216			
orange orb	12	103.7787718			
orange report	16	80			
eligma	6				
myyu shard	4				
ticket					
orange orb	10	86.406432			
credits (k)	2000	540.50402			
orange report	17	136			
eligma	5				
total spaces		3198.296872	197.2387151		
myyu shard	17	107.8831595	273.7272631		
eligma		1.488444444	2.777777777		
myyu elph		0.866666666	1.666666667		
				min bonus	med bonus
				55%	85%
				178.5714286	148.2537313
				0.9950256935	1.190477619
				1.533127473	1.84274513
				64.28871429	53.71314328
				107.1428571	89.55228881
					1201.818182
					9
					12
					1.21
					2.19018210
					4

min bonus	med bonus	max bonus
55%	85%	120%
56	67	8
178.5714286	149.2537313	12
0.9950256935	1.190477169	1.42146527
1.533127473	1.834277513	2.19018210
64.28571429	53.73134328	4
107.1428571	89.55223881	7

recup (Yuika standing on ticket space)



		AP value	Ratio to original
credits (k)	1800	486.453618	1.08
credits (k)	1800	486.453618	
eligma	4		1.2
orange orb	11	95.120752	0.825
orange orb	37	323.333333	
credits (k)	1900	513.478819	0.619
dice			
dice	19	152	0.95
equipment	53	176.666667	
equipment	19	112.444442	0.65
orange report	17	136	1.275
orange report	11	88	0.65
orange report	11	88	
credits (k)	2000	940.50402	0.5
equipment	41	136.666667	
eligma	5		1.5
credits (k)	15		7.5

Stage	AP cost	Points	Bean Bag	Flag	Whistle	Runs	AP cost	Points	Bean Bag	Flag	Whistle	gifts	
1	10	4	6	2		1	0	0	0	0	0	matcha ramune	MX ration
2	10	4		5	2	2	0	0	0	0	0	wavecat	movie ticket
3	10	4		2	5	3	0	0	0	0	0	buffet ticket	ring bit
4	10	16	1	1	1	4	0	0	0	0	0		
5	15	6	20			5	0	0	0	0	0		
6	15	6		17		6	0	0	0	0	0		
7	15	6			15	7	0	0	0	0	0		
8	15	24	3	3	3	8	0	0	0	0	0		
9	20	8	40			9	1	20	16	80	0		
10	20	8		32		10	3	60	48	0	192		
11	20	8			27	11	8	160	128	0	0	432	
12	20	32	6	6	6	12	12	240	768	144	144	144	
								480	960	224	336	576	
								660	3048	1500	1424	1530	
Bonus% (100 is double)		Points	Bean Bag	Flag	Whistle	Bonus:							
1		100	100	100	100	min		40	100	60	60		
2		8	12	4	0	max		120	130	100	100		
3		8	0	4	10	Item		Points	Bean Bag	Flag	Whistle		
4		32	2	2	2	Shop total		15000	13270	11780	7500		
5		12	40	0	0	Shop skip			9980	700	3100		
6		12	0	34	0	farming needs		12912	2014	9992	3446		
7		12	0	0	30	TODO		15000	3290	11080	4400		
8		48	6	6	6	lesson cost							
9		16	80	0	0	500							
10		16	0	64	0	AP cost		eleph AP cost	eligma AP cost				
11		16	0	0	54	156.25		111.6071429	919.1176471				
12		64	12	12	12	9		0.1875	chance	credits (k)	eligma	eleph	scaled
First clear		100	100	40	40	10		#DIV/0!	2.00%	1000		3	credits (k)
		100	40	80	80	11		#DIV/0!	20.00%	100		1	20
		100	20	20	20	12		0.3125	30.00%	200		1	60
		200	280	240	200				15.00%	400		1	60
		100	40	40	40				15.00%	400	1	1	60
		100	600	480	400				15.00%	600	1	1	90
		100	80	80	80				3.00%	800	2	2	24
		280							100.00%				334
		300											0.36
		400											1.07
		182	40	40	35								
		2088	1276	1088	954								
												credit AP value	90.26417134
												slightly less than 1x	
												AP/eligma	434.0277778
												AP/eleph	146.0280374

Stage	AP cost	Card	Cartridge	Pen		Runs	AP cost	Card	Cartridge	Pen		Gifts					
1	10	10		3	3	1	0	0	0	0	0	paint set	telescope				
2	10			13	3	2	0	0	0	0	0	forbidden love	lip gloss				
3	10			3	13	3	0	0	0	0	0						
4	10	16				4	0	0	0	0	0	artifacts					
5	15	16		4	4	5	0	0	0	0	0	wolfsegg					
6	15			20	4	6	0	0	0	0	0	aether					
7	15			4	20	7	0	0	0	0	0	nebra					
8	15	24				8	0	0	0	0	0	haniwa					
9	20	24		4	4	9	0	0	0	0	0						
10	20	4		28		10	253	5060	2024	10373	0						
11	20	4			28	11	290	5800	2320	0	16240	0					
12	20	32				12	247	4940	15808	0	0	0					
Card																	
Cartridge																	
Pen																	
Bonus% (100 is double)																	
1		20	5	6	0	Bonus	Card	Cartridge	Pen								
2		0	19	6	0												
3		0	5	26	0												
4		32	0	0	0												
5		32	6	8	0												
6		0	29	8	0												
7		0	6	40	0												
8		48	0	0	0	Item	Card	Cartridge	Pen								
9		48	6	8	0												
10		8	41	0	0												
11		8	0	56	0												
12		64	0	0	0												
First clear																	

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Stage	AP cost	Parchment	Lemon	Key	Event Points	Runs	AP cost	Parchment	Lemon	Key	Event Points	Gifts		
1	10	17			3	1	0	0	0	0	0	poetry	treasure map	
2	10		17		3	2	0	0	0	0	0	tableware	handkerchief	
3	10			17	3	3	0	0	0	0	0	forbidden love	guns charm and zeal	
4	10				20	4	0	0	0	0	0			
5	15	24			6	5	0	0	0	0	0	artifacts		
6	15		24		6	6	0	0	0	0	0	nimrud		
7	15			24	6	7	0	0	0	0	0	voynich		
8	15				30	8	0	0	0	0	0	haniwa		
9	20	31			9	9	0	0	0	0	0	battery		
10	20		31		9	10	0	0	0	0	0			
11	20			31	9	11	0	0	0	0	0			
12	20				40	12	900	18000	0	0	0			
							18000	0	0	0	0			
		Parchment	Lemon	Key	Event Points		18180	2222	2172	2172	86454			
Bonus% (100 is double)		100	100	100	130									
1	34	0	0	0	7									
2	0	34	0	0	7									
3	0	0	34	0	7									
4	0	0	0	0	46									
5	48	0	0	0	14	Item	Parchment	Lemon	Key	Event Points				
6	0	48	0	0	14	Shop total	14400	17680	14510	24000	AP cost	20346	5100	20
7	0	0	48	0	14	Shop skip	0	7730	3000		4423.043478	AP/points	AP/eleph	
8	0	0	0	0	69	farming needs	12178	7778	9338	20346		0.2173913043	55.43478261	
9	62	0	0	0	21	bonus					UE30	UE40		
10	0	62	0	0	21	minimum	95	30	60	70		210	330	
11	0	0	62	0	21	optimal	100	100	100	135		73896	104496	
12	0	0	0	0	92						16064.34783	22716.52174		
First clear		150	150	150	100	AP cost:	Parchment	Lemon/Key	points		1147.453416	1622.608696		
		150	150	150	100	1-4	0.2493606138	0.2493606138	0.2173913043					
		150	150	150	100	5-8	0.2490942029	0.2490942029	0.2173913043	100.00%	Do nothing	17040	12616.95652	347.6
		300	300	300	100	9-12	0.2489481066	0.2489481066	0.2173913043		prp refresh	22800	16376.95652	451.5058824
		100	100	100	200						3x prp	28560	24136.95652	555.4117647
		800	800	800	200									
		300	300	300	200									
		200	150	150	200									
					900									
					900									
					510									
		2222	2172	2172	3654									
Currency	AP cost		Grey book cost	grey stone cost	rusty pin cost	T1 artifact cost	T2 artifact cost							
1	0.2493606		0.3	1	5	5	15							
Bonus% (100 is double)														
0			If buying XP:	If buying stones:	Weapon XP:	T1 arti	T2 arti							
Total currency	AP/currency		per AP:											
1	0.2493606		668.3761054	8020.513265	8.020513265	6416.410612	6683.761054							
Version			Relative value											
JP			2.673504422	2.167559831	0.4962999	1.734047865	1.806299859							
			JFD artifact											
			T1 cost	T2 cost	T3 cost	T4 cost								
			5	15	50	200								
			Relative value (compared to buying XP at JFD shop)											
			0.3912445495	0.5868668242	0.4694934594	0.2445278434								

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Stage	AP cost	Headband	Makeup	Invitation	Runs	AP cost	Headband	Makeup	Invitation
1	10	2	2	14	1		0	0	0
2	10	14	4		2		0	0	0
3	10	4	14		3		0	0	0
4	10			18	4		0	0	0
5	15	4	3	20	5		0	0	0
6	15	20	7		6		0	0	0
7	15	7	20		7		0	0	0
8	15			27	8		0	0	0
9	20	6	6	24	9	15	300	180	765
10	20	36			10	45	900	3240	0
11	20		36		11	64	1280	0	3712
12	20			36	12	0	0	0	0
							2480	3420	3862
							2660	4633	5054
Bonus% (100 is double)		100	60	110	0				
1		4	4	30	0	bonus			
2		28	7	0	0	min	80	0	45
3		8	23	0	0	max	110	110	110
4		0	0	38	0	other	100	60	75
5		8	5	42	0				
6		40	12	0	0	Item	Headband	Makeup	Invitation
7		14	32	0	0	Shop total	14400	17680	14510
8		0	0	57	0	Shop skip	0	7730	3000
9		12	10	51	0	farming needs	13187	8758	9576
10		72	0	0	0				0
11		0	58	0	0				
12		0	0	76	0				
First clear		50	50	100		stage 10	0.277777778		
		100	100	200		stage 11	0.3448275862		
		100	100	200		stage 12	0.2631578947		
		50	50	300		stage 9	20.20266183	1.010133091	
		200	100	300					
		100	200	50					
		50	50	50		Minigame cost	400		
		350	350	400		AP/minigame	105.2631579	credit	xp
		120	100	195		AP/eleph	52.63157895	250000	2000
								67.5630025	32000
								8	8.64806432
		1213	1192	1934	0				84.21106682
Currency	AP cost	Grey book cost	grey stone cost	rusty pin cost	T1 artifact cost	T2 artifact cost			
1	0.277777778	0.3	1	5	5	15			
Bonus% (100 is double)									
0									
Total currency	AP/currency	If buying XP:	If buying stones:	Weapon XP:	T1 arti	T2 arti			
1	0.277777778	599.9999995	7199.999994	7.199999994	5759.999995	5999.999995			
		Relative value							
		2.399999998	1.94581447	0.4455275067	1.556651576	1.621512059			
Version									
JP		JFD artifact							
		T1 cost	T2 cost	T3 cost	T4 cost				
		5	15	50	200				
		Relative value (compared to buying XP at JFD shop)							
		0.3512195119	0.5268292679	0.4214634143	0.2195121949				

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