

平成29年度全国電卓競技大会

予選問題

乗算問題 (制限時間 8分)

(注意) 無名数で小数第5位未満の端数が出たとき、名数で円位未満の端数が出たとき、パーセントの小数第2位未満の端数が出たときは四捨五入すること。

採点欄

【禁無断転載】

参加番号

No.1	$148,762 \times 28,643 =$	%	%	No.21	$¥ 824,670 \times 12,879 =$	%	%
2	$307,591 \times 42,970 =$	%	%	22	$¥ 178,529 \times 36,971 =$	%	%
3	$562,803 \times 89,546 =$	%	%	23	$¥ 958,136 \times 48,750 =$	%	%
4	$759,140 \times 63,471 =$	%	%	24	$¥ 6,073,458 \times 5,932 =$	%	%
5	$6,057,329 \times 5,037 =$	%	%	25	$¥ 490,687 \times 21,643 =$	%	%
No.1~No.5 小計 ①				No.21~No.25 小計 ⑤			
100%				100%			
6	$935,021 \times 74,653 =$	%	%	26	$¥ 356,980 \times 92,647 =$	%	%
7	$157,948 \times 57,381 =$	%	%	27	$¥ 947,021 \times 80,462 =$	%	%
8	$481,630 \times 65,198 =$	%	%	28	$¥ 814,609 \times 27,390 =$	%	%
9	$621,094 \times 87,032 =$	%	%	29	$¥ 295,748 \times 61,374 =$	%	%
10	$54,687 \times 319,620 =$	%	%	30	$¥ 76,283 \times 452,698 =$	%	%
No.6~No.10 小計 ②				No.26~No.30 小計 ⑥			
100%				100%			
(小計 ① + ②) 合計				(小計 ⑤ + ⑥) 合計			
100%				100%			
11	$4.90625 \times 0.95168 =$	%	%	31	$¥ 724,301 \times 652.08 =$	%	%
12	$0.98736 \times 0.027135 =$	%	%	32	$¥ 51,823 \times 9.68035 =$	%	%
13	$0.012438 \times 7.2619 =$	%	%	33	$¥ 391,564 \times 0.84326 =$	%	%
14	$86.4157 \times 10.984 =$	%	%	34	$¥ 209,375 \times 0.79104 =$	%	%
15	$29.1834 \times 3.5082 =$	%	%	35	$¥ 916,402 \times 0.04157 =$	%	%
No.11~No.15 小計 ③				No.31~No.35 小計 ⑦			
100%				100%			
16	$0.812795 \times 0.06489 =$	%	%	36	$¥ 5,372,014 \times 3.156 =$	%	%
17	$38.5269 \times 90.324 =$	%	%	37	$¥ 406,395 \times 0.50891 =$	%	%
18	$7.38016 \times 0.21875 =$	%	%	38	$¥ 859,176 \times 0.03849 =$	%	%
19	$246.073 \times 1.9427 =$	%	%	39	$¥ 621,307 \times 10.573 =$	%	%
20	$0.0594372 \times 450.6 =$	%	%	40	$¥ 148,352 \times 0.78125 =$	%	%
No.16~No.20 小計 ④				No.36~No.40 小計 ⑧			
100%				100%			
(小計 ③ + ④) 合計				(小計 ⑦ + ⑧) 合計			
100%				100%			

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除算問題 (制限時間 8分)

(注意) 無名数で小数第5位未満の端数が出たとき、名数で円位未満の端数が出たとき、パーセントの小数第2位未満の端数が出たときは四捨五入すること。

採点欄

【禁無断転載】

参加番号

No. 1	$3,998,647,440 \div 670,914 =$	%	%
2	$2,172,892,092 \div 50,428 =$	%	%
3	$490,327,795 \div 19,865 =$	%	%
4	$3,905,202,352 \div 46,352 =$	%	%
5	$5,271,848,300 \div 75,620 =$	%	%
No.1~No.5 小計①		100%	/
6	$1,916,210,348 \div 31,469 =$	%	%
7	$583,866,050 \div 280,975 =$	%	%
8	$3,958,905,510 \div 81,270 =$	%	%
9	$8,220,082,363 \div 98,257 =$	%	%
10	$4,734,275,640 \div 49,501 =$	%	%
No.6~No.10 小計②		100%	/
(小計① + ②) 合計		/	100%
11	$0.0655920639 \div 0.08936 =$	%	%
12	$0.588824214 \div 3.7019 =$	%	%
13	$1.65515878 \div 23.187 =$	%	%
14	$3.297907427 \div 0.8541 =$	%	%
15	$91,938.73358 \div 94,273 =$	%	%
No.11~No.15 小計③		100%	/
16	$0.0317492735 \div 0.09143 =$	%	%
17	$51.58088452 \div 65.032 =$	%	%
18	$627.29731 \div 13,876 =$	%	%
19	$3.061736846 \div 0.5264 =$	%	%
20	$0.785926312 \div 7.6348 =$	%	%
No.16~No.20 小計④		100%	/
(小計③ + ④) 合計		/	100%

No.21	$¥ 2,251,939,660 \div 72,580 =$	%	%
22	$¥ 3,045,514,878 \div 3,647 =$	%	%
23	$¥ 1,422,847,552 \div 59,864 =$	%	%
24	$¥ 912,754,876 \div 16,852 =$	%	%
25	$¥ 5,766,610,173 \div 60,573 =$	%	%
No.21~No.25 小計⑤		100%	/
26	$¥ 1,905,218,340 \div 51,290 =$	%	%
27	$¥ 265,367,332 \div 13,028 =$	%	%
28	$¥ 3,810,999,507 \div 40,971 =$	%	%
29	$¥ 5,514,588,310 \div 68,534 =$	%	%
30	$¥ 1,574,590,500 \div 8,106 =$	%	%
No.26~No.30 小計⑥		100%	/
(小計⑤ + ⑥) 合計		/	100%
31	$¥ 8,295 \div 0.903148 =$	%	%
32	$¥ 21,459 \div 0.43125 =$	%	%
33	$¥ 5,941,589 \div 84.291 =$	%	%
34	$¥ 343,701 \div 27.309 =$	%	%
35	$¥ 1,247 \div 0.01796 =$	%	%
No.31~No.35 小計⑦		100%	/
36	$¥ 20,467 \div 2.56413 =$	%	%
37	$¥ 7,914 \div 0.08567 =$	%	%
38	$¥ 2,317,114 \div 39.472 =$	%	%
39	$¥ 34,537 \div 0.74239 =$	%	%
40	$¥ 63,147 \div 0.96875 =$	%	%
No.36~No.40 小計⑧		100%	/
(小計⑦ + ⑧) 合計		/	100%

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予選問題

複合算問題 (制限時間 8分)

(注意) 小数第3位未満の端数が出たときは切り捨てること。ただし、端数処理は1題の解答について行うのではなく、1計算ごとに行うこと。

【禁無断転載】

参加番号

No. 1	$718,845 \times 915,089 - 229,041,821,680 \div 510,020 =$	No. 21	$(445,127 + 304,873) \times (431,269 + 221,731) =$
2	$(201,110 + 559,496) \times (852,674 + 324,803) =$	22	$960,684 \times 817,048 - 632,206 \times 785,764 =$
3	$115,719,894,658 \div 892,501 + 615,698,635,938 \div 738,069 =$	23	$(837,120.575 \div 204.659) \div (969.523 \div 445.756) =$
4	$(389,034 - 116,582) \times (723,801 - 811,838) =$	24	$171,001 \times 534,754 + 821,502 \times 549,030 =$
5	$(420,572.403 \div 92.213) \div (12.366 \div 909.454) =$	25	$(221,919 - 157,462) \times (376,118 + 945,787) =$
6	$(206,536 + 303,464) \times (571,495 + 475,505) =$	26	$(636,152,216,190 - 487,415,051,130) \div (622,474 - 379,495) =$
7	$866,169 \times 224,420 + 908,183 \times 653,147 =$	27	$741.583 \div 0.096551 - 17.881 \div 0.78663 =$
8	$(98,180,212 - 62,762,075) \div (402,697 - 198,572) =$	28	$(36,564,452 + 75,237,867) \div (554,357 + 649,268) =$
9	$576,471 \times 721,348 - 394,663,574,982 \div 947,806 =$	29	$(868,366 - 974,446) \times (223,190 - 122,372) =$
10	$(691.457 \times 44.837) \div (784.209 \div 0.28071) =$	30	$592,058 \times 647,545 + 701,929,274,475 \div 844,909 =$
11	$114,841 \times 904,543 + 808,118 \times 718,665 =$	31	$(350,575 + 158,312) \times (850,723 - 660,134) =$
12	$843.463 \div 0.038861 - 12.873 \div 0.35357 =$	32	$(950,228,209,284 - 761,811,920,220) \div (504,998 - 219,870) =$
13	$227,346,455,544 \div 500,406 + 336,424,475,576 \div 806,932 =$	33	$160,949,574,400 \div 922,876 + 627,522 \times 871,581 =$
14	$533,202 \times 891,574 - 465,992 \times 902,070 =$	34	$626.491 \div 0.04527 - 936.881 \div 0.12043 =$
15	$(904,549 - 691,130) \times (641,044 - 203,506) =$	35	$(76,247,323 - 20,504,038) \div (483,310 + 971,065) =$
16	$(66,798,300 - 30,942,765) \div (579,577 + 487,298) =$	36	$591,646 \times 814,791 - 170,556 \times 427,377 =$
17	$(756.848 \div 0.13119) \times (996.489 \div 14.091) =$	37	$(464,342 - 390,525) \times (726,434 - 570,962) =$
18	$(309,246,546,137 - 287,072,323,987) \div (789,361 + 653,334) =$	38	$(227.389 \times 56.983) \div (441.775 \div 0.97638) =$
19	$(799,126 + 474,772) \times (112,945 + 502,019) =$	39	$805,848 \times 635,439 + 345,437 \times 758,479 =$
20	$(473,306,826,315 - 743,593,555,038) \div (250,850 - 180,263) =$	40	$(782,457 + 185,164) \times (248,639 - 341,406) =$

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予選問題

解答表

①

■一種目200点を満点とし、乗算、除算は解答表の箇所だけを採点し、各40題、1題5点とする。

乗算

1	4,260,989,966	%	%	21	¥	10,620,924,930	%	%
2		%	4.03%	22	¥		%	2.24%
3		34.38%	%	23	¥		42.24%	%
4		%	%	24	¥	36,027,752,856	%	%
5	30,510,766,173	%	%	25	¥	10,619,938,741	%	%
小計①	146,569,073,787	100%		小計⑤	¥		100%	
6		%	21.26%	26	¥		17.95%	%
7		4.99%	%	27	¥	76,199,203,702	%	%
8		%	9.56%	28	¥		%	%
9	54,055,053,008	%	%	29	¥		9.85%	%
10		%	%	30	¥		%	11.71%
小計②		100%		小計⑥	¥	184,268,869,558	100%	
合計	328,369,835,376		100%	合計	¥			100%
11		0.44%	%	31	¥		%	%
12	0.02679	%	%	32	¥		0.11%	%
13	0.09032	%	%	33	¥	330,190	%	%
14		%	18.82%	34	¥		%	0.03%
15		9.69%	%	35	¥	38,095	%	%
小計③		100%		小計⑦	¥	473,337,770	100%	
16	0.05274	%	%	36	¥		%	3.41%
17		%	%	37	¥		%	%
18	1.61441	%	%	38	¥		%	0.01%
19		11.99%	%	39	¥	6,569,079	%	%
20		%	0.53%	40	¥		0.49%	%
小計④	3,986.39929	100%		小計⑧	¥		100%	
合計			100%	合計	¥	497,216,713		100%

除算

1		2.62%	%	21	¥		%	2.12%
2		%	8.31%	22	¥		80.35%	%
3	24,683	%	%	23	¥	23,768	%	%
4		%	16.24%	24	¥	54,163	%	%
5	69,715	%	%	25	¥		%	%
小計①		100%		小計⑤	¥	1,039,233	100%	
6	60,892	%	%	26	¥		8.74%	%
7		0.71%	%	27	¥		%	%
8		%	9.39%	28	¥		%	%
9	83,659	%	%	29	¥		18.92%	%
10		%	%	30	¥		%	13.26%
小計②		100%		小計⑥	¥	425,247	100%	
合計	518,680		100%	合計	¥	1,464,480		100%
11		%	%	31	¥	9,185	%	%
12	0.15906	%	%	32	¥		%	10.32%
13	0.07138	%	%	33	¥		33.34%	%
14		66.56%	%	34	¥	12,586	%	%
15		%	7.56%	35	¥	69,432	%	%
小計③	5.80097	100%		小計⑦	¥		100%	
16		%	2.69%	36	¥		%	%
17		%	%	37	¥	92,378	%	%
18		0.64%	%	38	¥		%	12.17%
19	5.81637	%	%	39	¥		%	9.65%
20		1.45%	%	40	¥		24.07%	%
小計④	7.10493	100%		小計⑧	¥	270,768	100%	
合計			100%	合計	¥			100%

解答表 ②

■一種目の題数および得点は、見取算20題(1題10点)、複合算40題(1題5点)、伝票算20題(1題10点)とする。

見取算

1	¥	18,136,350,081
2	¥	21,934,483,155
3	¥	7,888,757,848
4	¥	20,910,597,930
5	¥	10,658,070,658
6	¥	14,817,337,704
7	¥	-2,615,486,885
8	¥	18,283,493,286
9	¥	15,040,297,427
10	¥	21,333,649,167
11	¥	20,984,651,046
12	¥	22,389,296,760
13	¥	16,174,303,729
14	¥	16,724,554,938
15	¥	18,105,712,525
16	¥	20,759,515,389
17	¥	10,742,628,159
18	¥	20,242,432,791
19	¥	-3,831,369,419
20	¥	18,158,276,277

複合算

1		657,806,703,121	21		489,750,000,000
2		895,596,071,062	22		288,160,225,448
3		963,860	23		1,880.605
4		-23,985,856,724	24		542,472,711,814
5		350,836.846	25		85,206,030,585
6		533,970,000,000	26		612,140
7		787,562,648,881	27		7,658.007
8		173.512	28		92.888
9		415,835,786,511	29		-10,694,773,440
10		11.097	30		383,385,028,385
11		684,644,745,133	31		96,988,264,443
12		21,668.205	32		660,813
13		871,242	33		546,936,426,682
14		55,031,636,508	34		6,059.523
15		93,378,922,422	35		38.328
16		33.608	36		409,176,124,374
17		407,979.072	37		11,476,476,624
18		15,370	38		28.637
19		783,401,409,672	39		774,073,957,595
20		-3,829,129	40		-89,763,297,307

伝票算

1	¥	2,323,714,113
2	¥	3,140,666,505
3	¥	1,638,303,228
4	¥	2,107,686,015
5	¥	3,140,465,436
6	¥	2,312,710,407
7	¥	3,344,615,487
8	¥	2,246,018,832
9	¥	1,956,858,741
10	¥	2,993,127,453
11	¥	2,764,949,220
12	¥	1,833,726,447
13	¥	2,460,812,688
14	¥	1,943,268,939
15	¥	2,255,985,324
16	¥	1,907,377,497
17	¥	2,044,655,298
18	¥	1,435,213,908
19	¥	2,336,629,410
20	¥	1,658,772,360