

2015 World City Cup Competition Mock Paper

US-CAAA

C Group - Mental Math

Addition and Subtraction (2 points per problem)

Time Limit: 3 Minutes

Score: _____

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	5	6	4	3	8	2	6	4	5	3	4	4	6	8	2	1	4	3	2	1
2	8	7	4	3	6	2	1	1	-3	1	7	2	7	1	7	6	8	6	7	2
3	6	-4	4	4	6	7	3	2	7	5	4	-3	3	6	6	9	-6	1	1	7
4	5	1	6	5	5	1	8	3	6	7	8	9	9	7	3	4	2	8	6	5
5	7	5	4	-3	2	5	-9	6	3	9	5	6	9	-5	3	3	4	6	-3	3
A																				

	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
1	9	6	8	5	9	4	6	9	7	6	9	4	2	2	3	5	5	8	8	3
2	7	4	5	-1	9	2	5	7	1	5	2	6	2	6	4	2	8	1	-4	8
3	8	6	8	2	7	1	2	4	-8	1	9	-7	6	4	7	9	-7	5	8	5
4	8	-7	9	4	9	9	-6	3	8	1	4	1	9	9	4	8	2	4	9	9
5	2	4	5	3	3	4	7	6	4	9	3	3	1	-8	8	9	1	5	2	3
A																				

	41	42	43	44	45	46	47	48	49	50
1	1	5	6	3	4	7	1	3	7	6
2	2	2	7	9	9	3	7	9	-4	9
3	3	-3	8	8	4	3	-4	2	3	8
4	6	8	9	7	7	2	2	7	2	1
5	3	6	8	-5	5	9	3	3	1	4
A										

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Score: _____

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	28	90	9	64	9	28	64	9	19	9	9	6	78	75	72	6	33	73	3	8
2	5	3	50	-6	77	2	5	57	6	41	20	80	9	7	1	9	1	2	11	70
3	50	-83	5	21	46	8	-50	99	-20	63	12	-48	68	-65	60	10	69	90	9	92
4	7	9	46	4	6	30	9	5	4	7	5	5	6	4	7	17	-6	1	-14	9
A																				

	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
1	6	32	27	4	96	50	8	7	6	4	67	20	4	9	60	80	7	96	94	7
2	50	4	8	60	37	3	42	96	40	30	5	2	42	98	8	6	50	45	-30	75
3	4	5	3	-57	2	57	73	1	-24	35	9	94	7	-42	6	87	65	9	9	6
4	98	-40	81	7	8	7	-9	66	7	8	50	-9	28	8	38	1	-4	5	8	77
A																				

	41	42	43	44	45	46	47	48	49	50
1	37	28	84	80	7	67	93	49	68	4
2	3	5	2	3	60	6	3	2	5	37
3	30	-9	9	-44	6	5	-4	3	-40	8
4	5	94	41	6	87	35	90	60	9	13
A										

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C Group - Mental Math

Addition and Subtraction (2 points per problem)

Time Limit: 3 Minutes

Score: _____

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	58	1	7	96	72	65	14	17	58	13	15	3	24	32	40	19	2	20	97	12
2	41	58	43	-12	5	80	9	89	30	8	70	95	90	76	5	50	25	9	74	54
3	9	80	73	1	20	8	68	50	5	22	4	-36	16	9	36	8	95	93	-78	90
4	77	-53	23	70	79	23	-63	3	-27	77	67	28	5	-86	76	86	-97	52	5	8
A																				

	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
1	85	73	81	66	83	15	91	15	7	12	4	14	1	38	5	56	97	5	48	77
2	9	-54	28	-53	6	58	30	36	27	6	60	24	99	7	62	53	50	66	9	87
3	60	8	87	7	68	86	-98	4	44	90	37	-26	37	50	95	43	-71	44	40	5
4	23	75	5	10	20	8	2	70	-14	85	64	6	63	-66	20	2	6	33	-92	80
A																				

	41	42	43	44	45	46	47	48	49	50
1	35	70	81	92	2	43	60	3	69	52
2	7	-65	80	-36	16	1	-12	14	23	1
3	97	7	93	8	84	90	8	78	3	30
4	47	88	5	30	55	97	75	6	-55	25
A										

2015 World City Cup Competition Mock Paper

B Group - Mental Math

Host : CAAA Publisher : CAA

Multiplication (2 points per problem)

Time Limit: 3 Minutes

Score: _____

		Checks			Checks
1	$48 \times 5 =$		26	$116 \times 6 =$	
2	$56 \times 9 =$		27	$750 \times 8 =$	
3	$85 \times 8 =$		28	$605 \times 2 =$	
4	$13 \times 2 =$		29	$389 \times 3 =$	
5	$32 \times 4 =$		30	$521 \times 9 =$	
6	$64 \times 6 =$		31	$232 \times 5 =$	
7	$20 \times 7 =$		32	$943 \times 9 =$	
8	$79 \times 3 =$		33	$874 \times 8 =$	
9	$91 \times 2 =$		34	$407 \times 4 =$	
10	$47 \times 8 =$		35	$618 \times 7 =$	
11	$61 \times 4 =$		36	$102 \times 4 =$	
12	$42 \times 7 =$		37	$623 \times 4 =$	
13	$60 \times 3 =$		38	$580 \times 5 =$	
14	$95 \times 6 =$		39	$341 \times 7 =$	
15	$81 \times 2 =$		40	$615 \times 6 =$	
16	$54 \times 9 =$		41	$204 \times 8 =$	
17	$27 \times 3 =$		42	$956 \times 3 =$	
18	$30 \times 5 =$		43	$878 \times 2 =$	
19	$18 \times 9 =$		44	$739 \times 4 =$	
20	$79 \times 8 =$		45	$497 \times 9 =$	
21	$27 \times 5 =$		46	$907 \times 8 =$	
22	$80 \times 6 =$		47	$582 \times 2 =$	
23	$13 \times 7 =$		48	$498 \times 3 =$	
24	$92 \times 3 =$		49	$913 \times 9 =$	
25	$58 \times 2 =$		50	$374 \times 8 =$	

2015 World City Cup Competition Mock Paper

B Group - Mental Math

Host : CAAA Publisher : CAA

Division (2 points per problem)

Time Limit: 3 Minutes

Score: _____

		Checks			Checks
1	$246 \div 3 =$		26	$1,896 \div 2 =$	
2	$224 \div 8 =$		27	$1,099 \div 7 =$	
3	$200 \div 4 =$		28	$4,025 \div 5 =$	
4	$194 \div 2 =$		29	$2,556 \div 4 =$	
5	$315 \div 7 =$		30	$4,104 \div 8 =$	
6	$414 \div 6 =$		31	$2,172 \div 3 =$	
7	$324 \div 9 =$		32	$5,508 \div 9 =$	
8	$219 \div 3 =$		33	$4,836 \div 6 =$	
9	$70 \div 5 =$		34	$2,370 \div 3 =$	
10	$284 \div 4 =$		35	$804 \div 4 =$	
11	$174 \div 3 =$		36	$5,072 \div 8 =$	
12	$369 \div 9 =$		37	$2,506 \div 7 =$	
13	$134 \div 2 =$		38	$4,842 \div 6 =$	
14	$64 \div 4 =$		39	$772 \div 4 =$	
15	$132 \div 6 =$		40	$2,169 \div 9 =$	
16	$312 \div 8 =$		41	$1,440 \div 2 =$	
17	$217 \div 7 =$		42	$4,580 \div 5 =$	
18	$370 \div 5 =$		43	$1,527 \div 3 =$	
19	$510 \div 6 =$		44	$3,776 \div 8 =$	
20	$360 \div 4 =$		45	$3,460 \div 4 =$	
21	$498 \div 6 =$		46	$3,408 \div 8 =$	
22	$145 \div 5 =$		47	$1,070 \div 2 =$	
23	$490 \div 7 =$		48	$792 \div 4 =$	
24	$248 \div 4 =$		49	$2,688 \div 7 =$	
25	$144 \div 8 =$		50	$1,953 \div 9 =$	

2015 World City Cup Competition Mock Paper

Host : CAAA Publisher : CAA

A Group - Mental Math

Multiplication (1 point per problem)

Time Limit: 3 Minutes

Score: _____

		check			check			check			check
1	$92 \times 25 =$		26	$942 \times 18 =$		51	$8,020 \times 15 =$		76	$30,458 \times 94 =$	
2	$28 \times 46 =$		27	$38 \times 609 =$		52	$153 \times 541 =$		77	$1,726 \times 943 =$	
3	$51 \times 17 =$		28	$130 \times 97 =$		53	$707 \times 762 =$		78	$517 \times 8,026 =$	
4	$43 \times 51 =$		29	$81 \times 276 =$		54	$315 \times 917 =$		79	$3,685 \times 302 =$	
5	$17 \times 68 =$		30	$453 \times 31 =$		55	$59 \times 6,208 =$		80	$7,904 \times 231 =$	
6	$46 \times 72 =$		31	$714 \times 85 =$		56	$68 \times 2,796 =$		81	$809 \times 4,615 =$	
7	$80 \times 34 =$		32	$69 \times 702 =$		57	$934 \times 304 =$		82	$9,183 \times 187 =$	
8	$35 \times 89 =$		33	$25 \times 490 =$		58	$491 \times 489 =$		83	$49,271 \times 58 =$	
9	$79 \times 30 =$		34	$206 \times 54 =$		59	$242 \times 830 =$		84	$6,530 \times 679 =$	
10	$68 \times 94 =$		35	$57 \times 683 =$		60	$8,676 \times 53 =$		85	$2,642 \times 750 =$	
11	$75 \times 19 =$		36	$45 \times 873 =$		61	$4,828 \times 19 =$		86	$3,012 \times 916 =$	
12	$84 \times 92 =$		37	$717 \times 74 =$		62	$316 \times 418 =$		87	$260 \times 9,035 =$	
13	$16 \times 57 =$		38	$68 \times 189 =$		63	$85 \times 3,720 =$		88	$7,109 \times 802 =$	
14	$37 \times 70 =$		39	$154 \times 38 =$		64	$230 \times 537 =$		89	$1,296 \times 427 =$	
15	$61 \times 43 =$		40	$51 \times 437 =$		65	$994 \times 261 =$		90	$9,087 \times 359 =$	
16	$58 \times 31 =$		41	$903 \times 91 =$		66	$79 \times 8,056 =$		91	$52,731 \times 74 =$	
17	$20 \times 85 =$		42	$29 \times 540 =$		67	$143 \times 942 =$		92	$6,563 \times 283 =$	
18	$92 \times 26 =$		43	$320 \times 65 =$		68	$6,007 \times 65 =$		93	$4,794 \times 640 =$	
19	$49 \times 68 =$		44	$82 \times 206 =$		69	$562 \times 793 =$		94	$385 \times 5,671 =$	
20	$83 \times 94 =$		45	$906 \times 62 =$		70	$175 \times 804 =$		95	$84,548 \times 18 =$	
21	$87 \times 23 =$		46	$807 \times 23 =$		71	$381 \times 907 =$		96	$4,527 \times 203 =$	
22	$35 \times 40 =$		47	$53 \times 670 =$		72	$8,764 \times 19 =$		97	$633 \times 1,925 =$	
23	$54 \times 62 =$		48	$486 \times 72 =$		73	$256 \times 368 =$		98	$5,041 \times 913 =$	
24	$13 \times 49 =$		49	$42 \times 859 =$		74	$78 \times 2,971 =$		99	$7,152 \times 284 =$	
25	$90 \times 31 =$		50	$904 \times 18 =$		75	$605 \times 820 =$		100	$19,678 \times 85 =$	

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Host : CAAA Publisher : CAA

A Group - Mental Math

Division (1 point per problem)

Time Limit: 3 Minutes

Score: _____

		check			check			check			check
1	$3,003 \div 91 =$		26	$11,890 \div 82 =$		51	$302,865 \div 4,965 =$		76	$2,863,052 \div 94 =$	
2	$2,160 \div 80 =$		27	$9,452 \div 139 =$		52	$157,488 \div 386 =$		77	$1,627,618 \div 943 =$	
3	$7,544 \div 92 =$		28	$25,668 \div 93 =$		53	$308,868 \div 84 =$		78	$4,149,442 \div 8,026 =$	
4	$656 \div 41 =$		29	$16,824 \div 701 =$		54	$93,651 \div 159 =$		79	$1,112,870 \div 302 =$	
5	$4,615 \div 65 =$		30	$17,725 \div 25 =$		55	$671,646 \div 713 =$		80	$1,825,824 \div 231 =$	
6	$3,900 \div 78 =$		31	$13,760 \div 16 =$		56	$103,194 \div 98 =$		81	$3,733,535 \div 4,615 =$	
7	$3,230 \div 34 =$		32	$32,568 \div 354 =$		57	$171,600 \div 240 =$		82	$1,717,221 \div 187 =$	
8	$2,332 \div 53 =$		33	$18,941 \div 47 =$		58	$147,654 \div 631 =$		83	$2,857,718 \div 58 =$	
9	$1,380 \div 20 =$		34	$29,478 \div 578 =$		59	$547,392 \div 5,702 =$		84	$4,433,870 \div 679 =$	
10	$6,080 \div 76 =$		35	$26,220 \div 690 =$		60	$169,740 \div 207 =$		85	$1,981,500 \div 750 =$	
11	$1,344 \div 21 =$		36	$13,943 \div 191 =$		61	$80,782 \div 169 =$		86	$2,758,992 \div 916 =$	
12	$2,491 \div 53 =$		37	$64,372 \div 76 =$		62	$239,068 \div 4,052 =$		87	$2,349,100 \div 9,035 =$	
13	$3,096 \div 86 =$		38	$15,080 \div 580 =$		63	$224,200 \div 236 =$		88	$5,701,418 \div 802 =$	
14	$8,100 \div 90 =$		39	$5,848 \div 34 =$		64	$122,577 \div 91 =$		89	$553,392 \div 427 =$	
15	$5,120 \div 64 =$		40	$57,792 \div 903 =$		65	$142,625 \div 875 =$		90	$3,262,233 \div 359 =$	
16	$3,640 \div 40 =$		41	$43,870 \div 82 =$		66	$286,080 \div 320 =$		91	$3,902,094 \div 74 =$	
17	$4,212 \div 81 =$		42	$18,655 \div 205 =$		67	$133,440 \div 64 =$		92	$1,857,329 \div 283 =$	
18	$777 \div 37 =$		43	$20,580 \div 49 =$		68	$194,622 \div 597 =$		93	$3,068,160 \div 640 =$	
19	$5,976 \div 72 =$		44	$24,102 \div 618 =$		69	$341,013 \div 4,803 =$		94	$2,183,335 \div 5,671 =$	
20	$7,125 \div 95 =$		45	$34,656 \div 57 =$		70	$432,236 \div 718 =$		95	$1,521,864 \div 18 =$	
21	$180 \div 12 =$		46	$44,196 \div 58 =$		71	$48,178 \div 3,706 =$		96	$918,981 \div 203 =$	
22	$3,150 \div 45 =$		47	$11,774 \div 406 =$		72	$394,092 \div 54 =$		97	$1,218,525 \div 1,925 =$	
23	$5,612 \div 61 =$		48	$7,236 \div 67 =$		73	$254,340 \div 628 =$		98	$4,602,433 \div 913 =$	
24	$2,516 \div 74 =$		49	$14,309 \div 349 =$		74	$164,298 \div 197 =$		99	$2,031,168 \div 284 =$	
25	$5,340 \div 89 =$		50	$25,134 \div 71 =$		75	$232,071 \div 903 =$		100	$1,672,630 \div 85 =$	

2015 World City Cup Competition Mock Paper

B Group – Abacus

Time Limit: 6 minutes

Host : CAAA
Publisher : CAA

Total Score	
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I Multiplication (5 points per question)		check	II Division (5 points per question)		check
1	$49 \times 87 =$		1	$2,444 \div 52 =$	
2	$72 \times 96 =$		2	$2,800 \div 35 =$	
3	$26 \times 75 =$		3	$1,365 \div 21 =$	
4	$61 \times 18 =$		4	$1,984 \div 64 =$	
5	$87 \times 50 =$		5	$4,704 \div 49 =$	
6	$38 \times 591 =$		6	$2,010 \div 67 =$	
7	$265 \times 17 =$		7	$2,254 \div 98 =$	
8	$41 \times 904 =$		8	$735 \div 15 =$	
9	$620 \times 35 =$		9	$4,592 \div 56 =$	
10	$79 \times 436 =$		10	$1,184 \div 74 =$	
11	$43 \times 3,084 =$		11	$21,684 \div 834 =$	
12	$190 \times 756 =$		12	$11,791 \div 13 =$	
13	$532 \times 415 =$		13	$46,110 \div 870 =$	
14	$4,109 \times 62 =$		14	$56,580 \div 92 =$	
15	$927 \times 543 =$		15	$23,600 \div 295 =$	
16	$30,458 \times 94 =$		16	$215,516 \div 602 =$	
17	$1,726 \times 943 =$		17	$285,480 \div 7,930 =$	
18	$517 \times 8,026 =$		18	$166,672 \div 947 =$	
19	$3,685 \times 302 =$		19	$94,848 \div 1,824 =$	
20	$7,904 \times 231 =$		20	$464,312 \div 508 =$	

III Addition/Subtraction (10 points per question)					
NO.	1	2	3	4	5
1	\$ 8.69	\$.78	\$ 75.96	\$ 6.72	\$ 43.26
2	.18	4.69	4.10	38.60	5.10
3	61.60	67.08	35.04	-5.19	32.47
4	42.75	-37.19	.38	7.09	9.31
5	2.89	.46	62.01	96.87	.76
6	5.30	.80	2.39	.18	.95
7	.23	-2.63	.31	.95	8.40
8	94.10	-9.72	4.56	-4.03	85.04
9	2.54	8.09	.49	-76.14	6.35
10	.15	40.15	5.72	.50	.12
Ans.	\$	\$	\$	\$	\$
Check					
NO.	6	7	8	9	10
1	\$ 91.60	\$ 7.06	\$ 5.79	\$ 69.25	\$ 40.24
2	38.96	32.71	24.58	83.43	6.03
3	5.05	-10.30	8.29	-14.96	8.17
4	2.13	79.59	30.76	7.07	59.42
5	74.24	8.64	61.48	1.78	3.91
6	3.42	-1.40	9.60	-5.21	1.07
7	1.79	64.96	72.73	-2.59	7.85
8	20.86	-8.23	61.65	87.30	86.41
9	8.51	3.87	8.03	4.64	39.08
10	74.85	50.35	4.29	62.35	92.95
Ans.	\$	\$	\$	\$	\$
Check					

2015 World City Cup Competition Mock Paper

A Group – Abacus P-1

Time Limit: 6 minutes

Host : CAAA
Publisher : CAA

Total Score	
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I & II - \$ Monetary calculations round to the second place after the decimal point; non-\$ monetary calculations round to the fifth place after the decimal point.

I Multiplication (5 points per question)

		Check
1	$376 \times 924 =$	
2	$7,052 \times 18 =$	
3	$130 \times 590 =$	
4	$58 \times 7,862 =$	
5	$914 \times 346 =$	
6	$37,165 \times 98 =$	
7	$7,954 \times 217 =$	
8	$9,437 \times 702 =$	
9	$3,640 \times 602 =$	
10	$659 \times 8,213 =$	
11	$40.72 \times 4,814 =$	
12	$892.93 \times 0.605 =$	
13	$76.54 \times 8,350 =$	
14	$315.89 \times 701 =$	
15	$56.80 \times 374.8 =$	
16	$\$ 915.28 \times 1,650 = \$$	
17	$\$ 183.75 \times 3,139 = \$$	
18	$\$ 2,393.83 \times 0.095 = \$$	
19	$\$ 459.24 \times 5,202 = \$$	
20	$\$ 76.20 \times 8,108.3 = \$$	

II Division (5 points per question)

		Check
1	$21,700 \div 62 =$	
2	$24,066 \div 573 =$	
3	$36,260 \div 518 =$	
4	$57,339 \div 69 =$	
5	$38,269 \div 49 =$	
6	$190,912 \div 628 =$	
7	$81,054 \div 79 =$	
8	$223,685 \div 913 =$	
9	$145,464 \div 5,016 =$	
10	$306,440 \div 652 =$	
11	$13,865.27 \div 431 =$	
12	$16,537.22 \div 19 =$	
13	$1,924.58 \div 29.5 =$	
14	$34.38 \div 0.626 =$	
15	$32,401.20 \div 8,040 =$	
16	$\$ 127.83 \div 0.254 = \$$	
17	$\$ 557,225.04 \div 65,402 = \$$	
18	$\$ 130,719.03 \div 1,713 = \$$	
19	$\$ 52,043.25 \div 4,025 = \$$	
20	$\$ 54,796.77 \div 5,798.6 = \$$	

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Score	
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A Group – Abacus P-2

III Addition/Subtraction (10 points per question)

NO.	1	2	3	4	5
1	\$ 9,167.53	\$ 49,023.18	\$ 40,695.12	\$ 3,175.08	\$ 72,543.18
2	15,840.79	3,172.09	9,782.46	90,567.34	3,410.26
3	72,395.80	–50,218.67	27,461.90	73,246.51	6,725.80
4	41,789.36	6,837.59	6,098.73	–6,893.27	18,670.43
5	2,368.92	5,364.81	32,587.19	7,380.14	60,542.71
6	2,504.17	5,982.70	1,672.38	–16,459.80	4,931.05
7	8,697.43	92,715.46	9,456.82	27,918.35	5,619.27
8	3,276.08	92,540.83	92,341.05	–2,783.96	26,701.98
9	62,345.91	–15,476.09	3,673.48	97,054.61	80,253.17
10	90,674.25	–9,623.15	36,805.17	1,675.09	2,648.09
Ans.	\$	\$	\$	\$	\$
Check					

NO.	6	7	8	9	10
1	\$ 14,403.59	\$ 147,628.39	\$ 52,938.04	\$ 72,913.06	\$ 63,014.98
2	753,982.04	–73,914.25	301,429.85	583,142.97	256,798.31
3	75,396.28	425,893.07	934,680.17	918,704.35	27,136.58
4	62,147.89	90,256.48	72,354.60	–27,196.80	713,508.96
5	34,072.15	206,573.89	60,965.38	–504,231.69	604,917.23
6	821,794.60	83,142.60	651,297.83	46,305.41	30,873.61
7	80,256.37	–514,906.78	86,871.59	40,615.97	510,462.89
8	156,320.49	71,580.17	915,703.28	14,423.08	28,394.05
9	609,543.17	–56,028.94	403,268.71	179,568.23	490,726.58
10	984,615.72	897,431.06	20,743.69	–257,943.60	56,087.42
Ans.	\$	\$	\$	\$	\$
Check					