



Dear Parent/Carer

We hope the information contained in this document will help you. *(Core Words, Upper & Lower School Word Lists, Tables & Number Bonds Practice)*

The National Curriculum, states that your child should know:

- **all the multiplication and division facts in the two, five and ten multiplication tables by the end of Year Two;**
- **all the multiplication and division facts in the three, four and eight multiplication tables by the end of Year Three;**
- **and all multiplications and division facts for the multiplication tables up to 12 x 12 by the end of Year Four.**

Unless your child does know these number facts, he/she could struggle with basic maths skills and may fall behind. Please help your child by practising these with him/her. Fold the answers and allow your child to check after each attempt. You could create your own if your child needs more practice sessions.

The government has also published two lists of words that children should know and spell. These and a list of core words that all school children must know are also contained in this pack.

Children will be tested on their knowledge of number facts and spellings in school.

Other resources that will support you and your child:

Mathletics	Why not listen to the times tables raps? They are great fun! Find the orange box on the right-hand side of the screen labelled 'Times Tables Toons'. Division facts are not chanted. Rainforest maths is worth looking at too – contained within the site. Live Maths will help with keeping basic number skills fresh in children's minds.		
Crosshall Junior website	Look at 'Online Activities' under 'Pupil Zone' banner.		
Times Tables Rockstars	All children have access to this resource through the school's enrolment. Go through Times Tables Rockstars to logon directly. The app/website can be used online, but there are also worksheets that can be printed out at home.		
Other websites	http://www.3x3links.com/crosshalljunior http://nrich.maths.org/frontpage http://www.gamequarium.com http://www.bbc.co.uk/education/levels/zbr9wmn		
Apps	Math Zombies Math Town Shake-a-Phrase	MultiAlien Mathletics Cambugs (phonics) Grow Grammar	Quento King of Maths KenKen

Lower School Word List

The list below is the government's statutory list of words that pupils in Year Three and Four must know. They are a mixture of words pupils frequently use in their writing and those that they often misspell.

1	accident(ally)	26	disappear	51	interest	76	pressure
2	actual(ly)	27	early	52	island	77	probably
3	address	28	earth	53	knowledge	78	promise
4	answer	29	eight/eighth	54	learn	79	purpose
5	appear	30	enough	55	length	80	quarter
6	arrive	31	exercise	56	library	81	question
7	believe	32	experience	57	material	82	recent
8	bicycle	33	experiment	58	medicine	83	regular
9	breath	34	extreme	59	mention	84	reign
10	breathe	35	famous	60	minute	85	remember
11	build	36	favourite	61	natural	86	sentence
12	busy/business	37	February	62	naughty	87	separate
13	calendar	38	forward(s)	63	notice	88	special
14	caught	39	fruit	64	occasion(ally)	89	straight
15	centre	40	grammar	65	often	90	strange
16	century	41	group	66	opposite	91	strength
17	certain	42	guard	67	ordinary	92	suppose
18	circle	43	guide	68	particular	93	surprise
19	complete	44	heard	69	peculiar	94	therefore
20	consider	45	heart	70	perhaps	95	though/although
21	continue	46	height	71	popular	96	thought
22	decide	47	history	72	position	97	through
23	describe	48	imagine	73	possess(ion)	98	various
24	different	49	increase	74	possible	99	weight
25	difficult	50	important	75	potatoes	100	woman/women



Upper School Word List

The list below is the government's statutory list of words that pupils in Year Five and Six must know. They are a mixture of words pupils frequently use in their writing and those that they often misspell.

1	accommodate	26	correspond	51	identity	76	queue
2	accompany	27	criticise (critic + ise)	52	immediate(ly)	77	recognise
3	according	28	curiosity	53	individual	78	recommend
4	achieve	29	definite	54	interfere	79	relevant
5	aggressive	30	desperate	55	interrupt	80	restaurant
6	amateur	31	determined	56	language	81	rhyme
7	ancient	32	develop	57	leisure	82	rhythm
8	apparent	33	dictionary	58	lightning	83	sacrifice
9	appreciate	34	disastrous	59	marvellous	84	secretary
10	attached	35	embarrass	60	mischievous	85	shoulder
11	available	36	environment	61	muscle	86	signature
12	average	37	equip (-ped, -ment)	62	necessary	87	sincere(ly)
13	awkward	38	especially	63	neighbour	88	soldier
14	bargain	39	exaggerate	64	nuisance	89	stomach
15	bruise	40	excellent	65	occupy	90	sufficient
16	category	41	existence	66	occur	91	suggest
17	cemetery	42	explanation	67	opportunity	92	symbol
18	committee	43	familiar	68	parliament	93	system
19	communicate	44	foreign	69	persuade	94	temperature
20	community	45	forty	70	physical	95	thorough
21	competition	46	frequently	71	prejudice	96	twelfth
22	conscience	47	government	72	privilege	97	variety
23	conscious	48	guarantee	73	profession	98	vegetable
24	controversy	49	harass	74	programme	99	vehicle
25	convenience	50	hindrance	75	pronunciation	100	yacht





NAME: _____

Multiplication and Division Practice

Two

BRONZE	First Attempt	Second	Third	Fold & Check
$1 \times 2 =$				2
$2 \times 2 =$				4
$3 \times 2 =$				6
$4 \times 2 =$				8
$5 \times 2 =$				10
$6 \times 2 =$				12
$7 \times 2 =$				14
$8 \times 2 =$				16
$9 \times 2 =$				18
$10 \times 2 =$				20
$11 \times 2 =$				22
$12 \times 2 =$				24
SILVER	First Attempt	Second	Third	Fold & Check
$6 \times 2 =$				12
$2 \times 3 =$				6
$8 \times 2 =$				16
$2 \times 9 =$				18
$2 \times 2 =$				4
$5 \times 2 =$				10
$7 \times 2 =$				14
$2 \times 1 =$				2
$10 \times 2 =$				20
$2 \times 4 =$				8
$12 \times 2 =$				24
$2 \times 11 =$				22
GOLD	First Attempt	Second	Third	Fold & Check
$16 \div 2 =$				8
$12 \div 2 =$				6
$10 \div 2 =$				5
$4 \div 2 =$				2
$14 \div 2 =$				7
$6 \div 2 =$				3
$8 \div 2 =$				4
$18 \div 2 =$				9
$2 \div 2 =$				1
$20 \div 2 =$				10
$24 \div 2 =$				12
$22 \div 2 =$				11



NAME: _____

Multiplication and Division Practice

Ten

BRONZE	First Attempt	Second	Third	Fold & Check
$1 \times 10 =$				10
$2 \times 10 =$				20
$3 \times 10 =$				30
$4 \times 10 =$				40
$5 \times 10 =$				50
$6 \times 10 =$				60
$7 \times 10 =$				70
$8 \times 10 =$				80
$9 \times 10 =$				90
$10 \times 10 =$				100
$11 \times 10 =$				110
$12 \times 10 =$				120
SILVER	First Attempt	Second	Third	Fold & Check
$6 \times 10 =$				60
$10 \times 3 =$				30
$8 \times 10 =$				80
$10 \times 9 =$				90
$5 \times 10 =$				50
$10 \times 2 =$				20
$7 \times 10 =$				70
$10 \times 1 =$				10
$12 \times 10 =$				120
$10 \times 10 =$				100
$4 \times 10 =$				40
$10 \times 11 =$				110
GOLD	First Attempt	Second	Third	Fold & Check
$20 \div 10 =$				2
$30 \div 10 =$				3
$100 \div 10 =$				10
$70 \div 10 =$				7
$60 \div 10 =$				6
$120 \div 10 =$				12
$90 \div 10 =$				9
$50 \div 10 =$				5
$110 \div 10 =$				11
$80 \div 10 =$				8
$10 \div 10 =$				1
$40 \div 10 =$				4



NAME: _____

Multiplication and Division Practice
Five

BRONZE	First Attempt	Second	Third	Fold & Check
$1 \times 5 =$				5
$2 \times 5 =$				10
$3 \times 5 =$				15
$4 \times 5 =$				20
$5 \times 5 =$				25
$6 \times 5 =$				30
$7 \times 5 =$				35
$8 \times 5 =$				40
$9 \times 5 =$				45
$10 \times 5 =$				50
$11 \times 5 =$				55
$12 \times 5 =$				60
SILVER	First Attempt	Second	Third	Fold & Check
$6 \times 5 =$				30
$5 \times 3 =$				15
$5 \times 12 =$				60
$8 \times 5 =$				40
$5 \times 9 =$				45
$5 \times 5 =$				25
$5 \times 2 =$				10
$7 \times 5 =$				35
$5 \times 1 =$				5
$5 \times 11 =$				55
$10 \times 5 =$				50
$4 \times 5 =$				20
GOLD	First Attempt	Second	Third	Fold & Check
$20 \div 5 =$				4
$60 \div 5 =$				12
$40 \div 5 =$				8
$45 \div 5 =$				9
$15 \div 5 =$				3
$25 \div 5 =$				5
$35 \div 5 =$				7
$10 \div 5 =$				2
$30 \div 5 =$				6
$55 \div 5 =$				11
$5 \div 5 =$				1
$50 \div 5 =$				10



NAME: _____

**Multiplication and Division Practice
Three**

BRONZE	First Attempt	Second	Third	Fold & Check
$1 \times 3 =$				3
$2 \times 3 =$				6
$3 \times 3 =$				9
$4 \times 3 =$				12
$5 \times 3 =$				15
$6 \times 3 =$				18
$7 \times 3 =$				21
$8 \times 3 =$				24
$9 \times 3 =$				27
$10 \times 3 =$				30
$11 \times 3 =$				33
$12 \times 3 =$				36
SILVER	First Attempt	Second	Third	Fold & Check
$6 \times 3 =$				18
$3 \times 3 =$				9
$11 \times 3 =$				33
$8 \times 3 =$				24
$3 \times 9 =$				27
$5 \times 3 =$				15
$3 \times 12 =$				36
$3 \times 2 =$				6
$7 \times 3 =$				21
$3 \times 1 =$				3
$10 \times 3 =$				30
$3 \times 4 =$				12
GOLD	First Attempt	Second	Third	Fold & Check
$12 \div 3 =$				4
$24 \div 3 =$				8
$27 \div 3 =$				9
$9 \div 3 =$				3
$33 \div 3 =$				11
$15 \div 3 =$				5
$21 \div 3 =$				7
$6 \div 3 =$				2
$18 \div 3 =$				6
$3 \div 3 =$				1
$36 \div 3 =$				12
$30 \div 3 =$				10



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Multiplication and Division Practice
Four

BRONZE	First Attempt	Second	Third	Fold & Check
$1 \times 4 =$				4
$2 \times 4 =$				8
$3 \times 4 =$				12
$4 \times 4 =$				16
$5 \times 4 =$				20
$6 \times 4 =$				24
$7 \times 4 =$				28
$8 \times 4 =$				32
$9 \times 4 =$				36
$10 \times 4 =$				40
$11 \times 4 =$				44
$12 \times 4 =$				48
SILVER	First Attempt	Second	Third	Fold & Check
$6 \times 4 =$				24
$4 \times 3 =$				12
$8 \times 4 =$				32
$4 \times 9 =$				36
$5 \times 4 =$				20
$4 \times 12 =$				48
$4 \times 2 =$				8
$7 \times 4 =$				28
$4 \times 1 =$				4
$10 \times 4 =$				40
$4 \times 4 =$				16
$11 \times 4 =$				44
GOLD	First Attempt	Second	Third	Fold & Check
$32 \div 4 =$				8
$24 \div 4 =$				6
$20 \div 4 =$				5
$8 \div 4 =$				2
$28 \div 4 =$				7
$48 \div 4 =$				12
$44 \div 4 =$				11
$12 \div 4 =$				3
$16 \div 4 =$				4
$36 \div 4 =$				9
$4 \div 4 =$				1
$40 \div 4 =$				10



NAME: _____

Multiplication and Division Practice

Six

BRONZE	First Attempt	Second	Third	Fold & Check
$1 \times 6 =$				6
$2 \times 6 =$				12
$3 \times 6 =$				18
$4 \times 6 =$				24
$5 \times 6 =$				30
$6 \times 6 =$				36
$7 \times 6 =$				42
$8 \times 6 =$				48
$9 \times 6 =$				54
$10 \times 6 =$				60
$11 \times 6 =$				66
$12 \times 6 =$				72
SILVER	First Attempt	Second	Third	Fold & Check
$6 \times 6 =$				36
11×6				66
$6 \times 3 =$				18
$8 \times 6 =$				48
$6 \times 9 =$				54
$5 \times 6 =$				30
$6 \times 2 =$				12
$7 \times 6 =$				42
$6 \times 12 =$				72
$6 \times 1 =$				6
$10 \times 6 =$				60
$6 \times 4 =$				24
GOLD	First Attempt	Second	Third	Fold & Check
$66 \div 6 =$				11
$36 \div 6 =$				6
$60 \div 6 =$				10
$18 \div 6 =$				3
$48 \div 6 =$				8
$12 \div 6 =$				2
$72 \div 6 =$				12
$54 \div 6 =$				9
$42 \div 6 =$				7
$30 \div 6 =$				5
$6 \div 6 =$				1
$24 \div 6 =$				4



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Multiplication and Division Practice
Seven

BRONZE	First Attempt	Second	Third	Fold & Check
$1 \times 7 =$				7
$2 \times 7 =$				14
$3 \times 7 =$				21
$4 \times 7 =$				28
$5 \times 7 =$				35
$6 \times 7 =$				42
$7 \times 7 =$				49
$8 \times 7 =$				56
$9 \times 7 =$				63
$10 \times 7 =$				70
$11 \times 7 =$				77
$12 \times 7 =$				84
SILVER	First Attempt	Second	Third	Fold & Check
$6 \times 7 =$				42
$7 \times 3 =$				21
$8 \times 7 =$				56
$7 \times 9 =$				63
$5 \times 7 =$				35
$7 \times 2 =$				14
$7 \times 7 =$				49
$12 \times 7 =$				84
$7 \times 11 =$				77
$7 \times 1 =$				7
$10 \times 7 =$				70
$7 \times 4 =$				28
GOLD	First Attempt	Second	Third	Fold & Check
$14 \div 7 =$				2
$21 \div 7 =$				3
$77 \div 7 =$				11
$70 \div 7 =$				10
$56 \div 7 =$				8
$42 \div 7 =$				6
$63 \div 7 =$				9
$35 \div 7 =$				5
$49 \div 7 =$				7
$7 \div 7 =$				1
$84 \div 7 =$				12
$28 \div 7 =$				4



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**Multiplication and Division Practice
Eight**

BRONZE	First Attempt	Second	Third	Fold & Check
$1 \times 8 =$				8
$2 \times 8 =$				16
$3 \times 8 =$				24
$4 \times 8 =$				32
$5 \times 8 =$				40
$6 \times 8 =$				48
$7 \times 8 =$				56
$8 \times 8 =$				64
$9 \times 8 =$				72
$10 \times 8 =$				80
$11 \times 8 =$				88
$12 \times 8 =$				96
SILVER	First Attempt	Second	Third	Fold & Check
$6 \times 8 =$				48
$8 \times 3 =$				24
$8 \times 8 =$				64
$8 \times 9 =$				72
$12 \times 8 =$				96
$5 \times 8 =$				40
$8 \times 2 =$				16
$8 \times 11 =$				88
$7 \times 8 =$				56
$8 \times 1 =$				8
$10 \times 8 =$				80
$8 \times 4 =$				32
GOLD	First Attempt	Second	Third	Fold & Check
$32 \div 8 =$				4
$8 \div 8 =$				1
$48 \div 8 =$				6
$24 \div 8 =$				3
$80 \div 8 =$				10
$72 \div 8 =$				9
$88 \div 8 =$				11
$40 \div 8 =$				5
$16 \div 8 =$				2
$64 \div 8 =$				8
$56 \div 8 =$				7
$96 \div 8 =$				12



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**Multiplication and Division Practice
Nine**

BRONZE	First Attempt	Second	Third	Fold & Check
$1 \times 9 =$				9
$2 \times 9 =$				18
$3 \times 9 =$				27
$4 \times 9 =$				36
$5 \times 9 =$				45
$6 \times 9 =$				54
$7 \times 9 =$				63
$8 \times 9 =$				72
$9 \times 9 =$				81
$10 \times 9 =$				90
$11 \times 9 =$				99
$12 \times 9 =$				108
SILVER	First Attempt	Second	Third	Fold & Check
$6 \times 9 =$				54
$9 \times 3 =$				27
$8 \times 9 =$				72
$9 \times 12 =$				108
$9 \times 9 =$				81
$5 \times 9 =$				45
$9 \times 2 =$				18
$7 \times 9 =$				63
$9 \times 1 =$				9
$11 \times 9 =$				99
$10 \times 9 =$				90
$9 \times 4 =$				36
GOLD	First Attempt	Second	Third	Fold & Check
$9 \div 9 =$				1
$54 \div 9 =$				6
$81 \div 9 =$				9
$27 \div 9 =$				3
$99 \div 9 =$				11
$72 \div 9 =$				8
$18 \div 9 =$				2
$63 \div 9 =$				7
$45 \div 9 =$				5
$90 \div 9 =$				10
$36 \div 9 =$				4
$108 \div 9 =$				12



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**Multiplication and Division Practice
Eleven**

BRONZE	First Attempt	Second	Third	Fold & Check
$1 \times 11 =$				11
$2 \times 11 =$				22
$3 \times 11 =$				33
$4 \times 11 =$				44
$5 \times 11 =$				55
$6 \times 11 =$				66
$7 \times 11 =$				77
$8 \times 11 =$				88
$9 \times 11 =$				99
$10 \times 11 =$				110
$11 \times 11 =$				121
$12 \times 11 =$				132
SILVER	First Attempt	Second	Third	Fold & Check
$6 \times 11 =$				66
$11 \times 3 =$				33
$8 \times 11 =$				88
$11 \times 9 =$				99
$5 \times 11 =$				55
$11 \times 11 =$				121
$11 \times 2 =$				22
$11 \times 12 =$				121
$7 \times 11 =$				77
$11 \times 1 =$				11
$10 \times 11 =$				110
$11 \times 4 =$				44
GOLD	First Attempt	Second	Third	Fold & Check
$66 \div 11 =$				6
$55 \div 11 =$				5
$33 \div 11 =$				3
$121 \div 11 =$				11
$110 \div 11 =$				10
$88 \div 11 =$				8
$132 \div 11 =$				12
$22 \div 11 =$				2
$77 \div 11 =$				7
$99 \div 11 =$				9
$11 \div 11 =$				1
$44 \div 11 =$				4



NAME: _____

**Multiplication and Division Practice
Twelve**

BRONZE	First Attempt	Second	Third	Fold & Check
$1 \times 12 =$				12
$2 \times 12 =$				24
$3 \times 12 =$				36
$4 \times 12 =$				48
$5 \times 12 =$				60
$6 \times 12 =$				72
$7 \times 12 =$				84
$8 \times 12 =$				96
$9 \times 12 =$				108
$10 \times 12 =$				120
$11 \times 12 =$				132
$12 \times 12 =$				144
SILVER	First Attempt	Second	Third	Fold & Check
$6 \times 12 =$				72
$12 \times 3 =$				36
$8 \times 12 =$				96
$12 \times 9 =$				108
$5 \times 12 =$				60
$12 \times 2 =$				24
$7 \times 12 =$				84
$12 \times 11 =$				132
$12 \times 1 =$				12
$12 \times 12 =$				144
$10 \times 12 =$				120
$12 \times 4 =$				48
GOLD	First Attempt	Second	Third	Fold & Check
$84 \div 12 =$				7
$36 \div 12 =$				3
$96 \div 12 =$				8
$108 \div 12 =$				9
$132 \div 12 =$				11
$144 \div 12 =$				12
$72 \div 12 =$				6
$60 \div 12 =$				5
$24 \div 12 =$				2
$12 \div 12 =$				1
$120 \div 12 =$				10
$48 \div 12 =$				4



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Number Bonds Practice (1)

A	B	C	D	E
$1 + 1 =$	$0 + 1 =$	$4 + 1 =$	$10 + 0 =$	$6 + 1 =$
$3 + 1 =$	$2 + 3 =$	$0 + 3 =$	$8 + 1 =$	$8 + 2 =$
$2 + 2 =$	$1 + 3 =$	$2 + 1 =$	$7 + 3 =$	$5 + 5 =$
$4 + 0 =$	$0 + 4 =$	$1 + 3 =$	$6 + 4 =$	$6 + 2 =$
$1 + 0 =$	$0 + 5 =$	$2 + 2 =$	$9 + 1 =$	$7 + 0 =$
$2 + 1 =$	$1 + 2 =$	$1 + 2 =$	$8 + 2 =$	$5 + 4 =$
$0 + 0 =$	$0 + 2 =$	$3 + 2 =$	$6 + 3 =$	$8 + 0 =$
$3 + 2 =$	$0 + 3 =$	$1 + 4 =$	$7 + 2 =$	$6 + 0 =$
$4 + 1 =$	$1 + 4 =$	$5 + 0 =$	$5 + 2 =$	$5 + 3 =$
$5 + 0 =$	$0 + 0 =$	$0 + 4 =$	$9 + 0 =$	$5 + 1 =$
F	G	H	I	J
$0 + 10 =$	$1 + 8 =$	$8 + 1 =$	$9 + 4 =$	$8 + 2 =$
$3 + 7 =$	$4 + 6 =$	$1 + 6 =$	$8 + 5 =$	$7 + 4 =$
$1 + 9 =$	$2 + 8 =$	$10 + 0 =$	$9 + 3 =$	$10 + 5 =$
$3 + 6 =$	$2 + 7 =$	$5 + 5 =$	$10 + 3 =$	$7 + 5 =$
$2 + 5 =$	$0 + 9 =$	$9 + 1 =$	$6 + 5 =$	$10 + 1 =$
$1 + 6 =$	$2 + 6 =$	$2 + 5 =$	$7 + 3 =$	$9 + 2 =$
$0 + 7 =$	$4 + 5 =$	$6 + 4 =$	$8 + 4 =$	$9 + 5 =$
$0 + 8 =$	$0 + 6 =$	$3 + 7 =$	$10 + 4 =$	$5 + 5 =$
$3 + 5 =$	$1 + 5 =$	$8 + 2 =$	$9 + 1 =$	$10 + 2 =$
$3 + 4 =$	$4 + 4 =$	$5 + 4 =$	$8 + 3 =$	$6 + 4 =$
K	L	M	N	O
$5 + 10 =$	$3 + 8 =$	$8 + 3 =$	$9 + 6 =$	$5 + 6 =$
$5 + 7 =$	$1 + 9 =$	$5 + 7 =$	$8 + 5 =$	$6 + 9 =$
$4 + 6 =$	$4 + 10 =$	$6 + 4 =$	$7 + 6 =$	$5 + 8 =$
$2 + 10 =$	$3 + 7 =$	$5 + 9 =$	$8 + 7 =$	$5 + 9 =$
$4 + 7 =$	$4 + 8 =$	$9 + 2 =$	$9 + 5 =$	$6 + 7 =$
$5 + 9 =$	$5 + 6 =$	$1 + 10 =$	$8 + 6 =$	$7 + 8 =$
$2 + 9 =$	$3 + 10 =$	$10 + 4 =$	$7 + 7 =$	$5 + 7 =$
$1 + 10 =$	$3 + 9 =$	$3 + 8 =$	$6 + 6 =$	$5 + 10 =$
$2 + 8 =$	$5 + 8 =$	$7 + 3 =$	$7 + 5 =$	$6 + 6 =$
$5 + 5 =$	$4 + 9 =$	$5 + 8 =$	$6 + 5 =$	$6 + 8 =$



NAME:

Number Bonds Practice (2)

P	Q	R	S	T
$7 + 6 =$	$15 + 0 =$	$14 + 1 =$	$0 + 15 =$	$0 + 14 =$
$5 + 7 =$	$12 + 3 =$	$12 + 0 =$	$1 + 14 =$	$5 + 10 =$
$8 + 7 =$	$10 + 2 =$	$11 + 4 =$	$3 + 12 =$	$1 + 12 =$
$5 + 6 =$	$13 + 2 =$	$13 + 1 =$	$0 + 12 =$	$2 + 12 =$
$9 + 5 =$	$11 + 1 =$	$10 + 1 =$	$2 + 10 =$	$4 + 10 =$
$6 + 9 =$	$14 + 0 =$	$10 + 5 =$	$4 + 11 =$	$2 + 11 =$
$8 + 6 =$	$12 + 1 =$	$12 + 2 =$	$2 + 13 =$	$0 + 13 =$
$6 + 6 =$	$10 + 4 =$	$11 + 2 =$	$1 + 13 =$	$3 + 10 =$
$8 + 5 =$	$13 + 0 =$	$10 + 3 =$	$1 + 11 =$	$3 + 11 =$
$5 + 9 =$	$11 + 3 =$	$11 + 0 =$	$1 + 10 =$	$0 + 11 =$
U	V	W	X	Y
$13 + 2 =$	$10 + 10 =$	$8 + 10 =$	$9 + 8 =$	$11 + 5 =$
$4 + 11 =$	$9 + 8 =$	$7 + 9 =$	$7 + 9 =$	$14 + 2 =$
$14 + 0 =$	$9 + 7 =$	$8 + 9 =$	$9 + 7 =$	$13 + 5 =$
$1 + 13 =$	$8 + 8 =$	$6 + 9 =$	$8 + 9 =$	$12 + 4 =$
$10 + 4 =$	$8 + 7 =$	$7 + 8 =$	$10 + 9 =$	$14 + 4 =$
$1 + 10 =$	$10 + 9 =$	$9 + 10 =$	$9 + 9 =$	$13 + 3 =$
$11 + 3 =$	$9 + 9 =$	$6 + 10 =$	$8 + 7 =$	$12 + 5 =$
$3 + 12 =$	$10 + 8 =$	$9 + 9 =$	$6 + 9 =$	$13 + 4 =$
$11 + 0 =$	$10 + 7 =$	$7 + 10 =$	$10 + 7 =$	$14 + 3 =$
$1 + 14 =$	$10 + 6 =$	$10 + 10 =$	$7 + 8 =$	$14 + 5 =$
Z	AA	AB	AC	AD
$4 + 12 =$	$15 + 5 =$	$15 + 3 =$	$12 + 7 =$	$7 + 11 =$
$3 + 13 =$	$18 + 2 =$	$19 + 0 =$	$11 + 8 =$	$9 + 11 =$
$3 + 14 =$	$15 + 1 =$	$16 + 3 =$	$14 + 6 =$	$6 + 12 =$
$5 + 12 =$	$17 + 3 =$	$15 + 2 =$	$12 + 8 =$	$6 + 13 =$
$5 + 14 =$	$16 + 2 =$	$17 + 0 =$	$13 + 7 =$	$6 + 11 =$
$5 + 11 =$	$17 + 1 =$	$16 + 0 =$	$11 + 6 =$	$7 + 13 =$
$4 + 13 =$	$15 + 4 =$	$18 + 0 =$	$13 + 6 =$	$8 + 12 =$
$2 + 14 =$	$16 + 1 =$	$19 + 1 =$	$11 + 9 =$	$6 + 14 =$
$4 + 14 =$	$17 + 2 =$	$16 + 4 =$	$12 + 6 =$	$8 + 11 =$
$5 + 13 =$	$20 + 0 =$	$18 + 1 =$	$11 + 7 =$	$7 + 12 =$

