Advanced Math
Tables & Mental Math
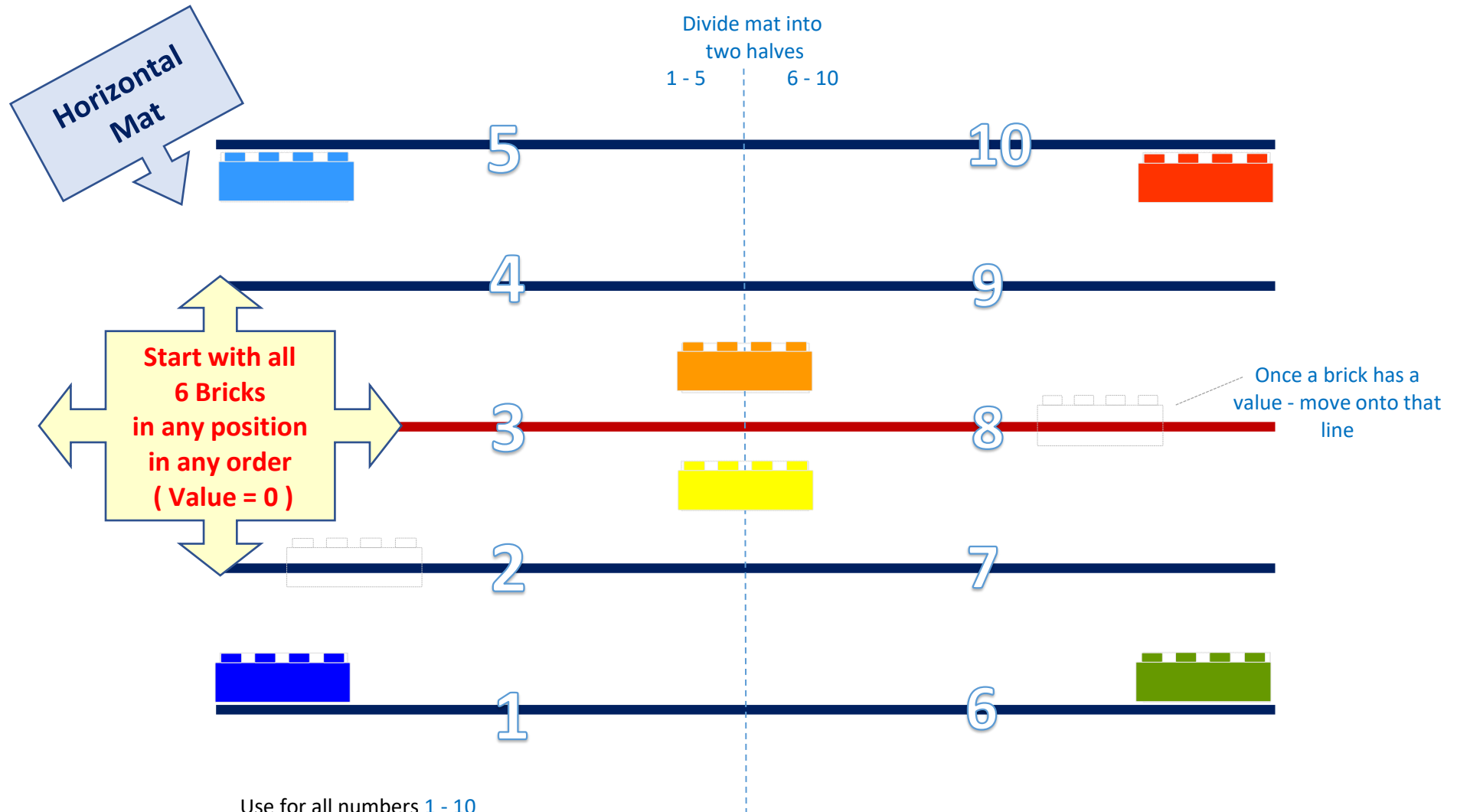
Six Bricks

Crossing the B-Line

(addition, subtraction, multiplication, division, times tables, substitution, association)

Six Bricks

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Crossing the B-Line : Maths Movements Horizontal Mat Layout

Divide mat into
two halves

1 - 5   6 - 10

Horizontal
Mat

5   10

4   9

**Start with all
6 Bricks
in any position
in any order
(Value = 0)**

Once a brick has a
value - move onto that
line

3   8

2   7

1   6

Use for all numbers 1 - 10

-1	=	backward 1 line
+1	=	forward 1 line
-2	=	backward 2 lines
+2	=	forward 2 lines

If answer to equation =   1 - 10   =   move brick to this line

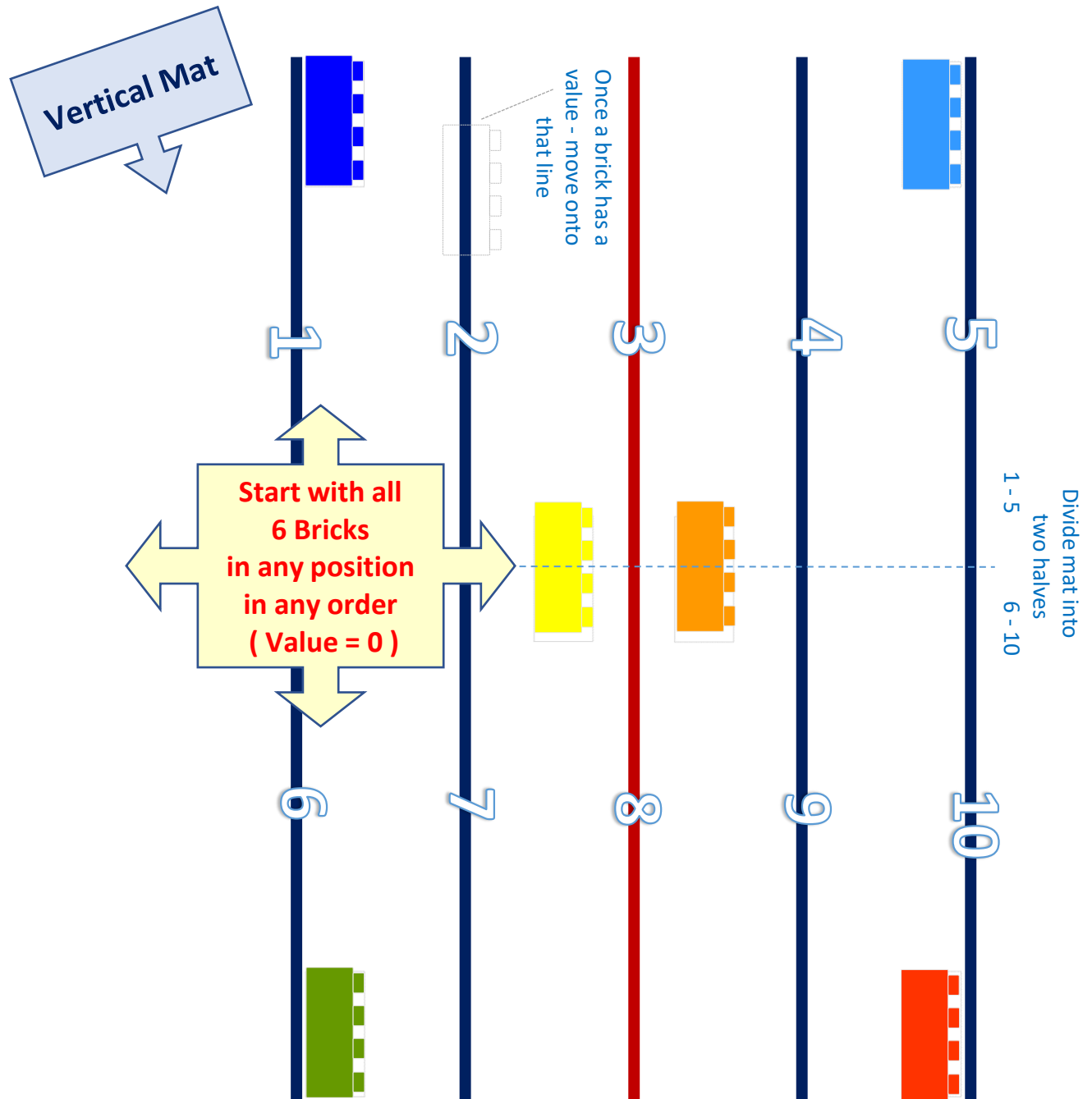**NB**   may have more than 1 brick
on a line/number at a time

Crossing the B-Line : Maths Movements Vertical Mat Layout

Vertical Mat

Use for all numbers 1 - 10

-1	=	left 1 line
+1	=	right 1 line
-2	=	left 2 lines
+2	=	right 2 lines

1 - 10 = move brick to this line

NB may have more than 1 brick on a line/number at a time

Once a brick has a value - move onto that line

Start with all
6 Bricks
in any position
in any order
(Value = 0)

1 - 5

6 - 10

Divide mat into two halves

1 2 3 4 5

6 7 8 9 10

Adv Maths Option 1

Yellow	to	15 - 13	2
Orange	to	11 - 6	5
Red	to	19 - 15	4
Light Blue	to	21 - 16	5
Dark Blue	to	26 - 24	2
Green	to	23 - 19	4
Red	to	15 - 13	2
Orange	to	27 - 25	2
Dark Blue	to	12 - 7	5
Yellow	to	8 - 4	4
Light Blue	to	21 - 19	2
Green	to	18 - 15	3
Dark Blue	to	23 - 19	4
Light Blue	to	3 - 2	1
Orange	to	23 - 18	5
Green	to	12 - 8	4
Light Blue	to	9 - 5	4
Red	to	19 - 16	3
Orange	to	22 - 18	4

Red on Red line
Rest on line 4

Adv Maths Option 2

Red	to	12 - 8	4
Orange	to	18 - 13	5
Light Blue	to	9 - 7	2
Dark Blue	to	21 - 19	2
Yellow	to	15 - 14	1
Green	to	23 - 19	4
Orange	to	23 - 21	2
Yellow	to	32 - 27	5
Orange	to	13 - 9	4
Light Blue	to	12 - 7	5
Green	to	11 - 9	2
Red	to	9 - 6	3
Yellow	to	21 - 19	2
Dark Blue	to	17 - 12	5
Green	to	19 - 16	3
Yellow	to	12 - 9	3
Dark Blue	to	4 - 1	3
Orange	to	21 - 18	3
Light Blue	to	12 - 9	3

All end on Red line

Which col did you move 2nd ?
Orange

Adv Maths Option 3

Dark Blue	to	25 - 21	4
Red	to	23 - 18	5
Yellow	to	36 - 31	5
Dark Blue	to	42 - 39	3
Green	to	61 - 59	2
Orange	to	18 - 14	4
Green	to	29 - 25	4
Red	to	43 - 39	4
Yellow	to	71 - 69	2
Green	to	38 - 37	1
Orange	to	55 - 52	3
Yellow	to	98 - 93	5
Orange	to	41 - 37	4
Red	to	8 - 3	5
Green	to	31 - 26	5
Light Blue	to	60 - 59	1
Orange	to	74 - 69	5
Light blue	to	16 - 13	3
Dark Blue	to	80 - 75	5

Light Blue on Red line
Rest on line 5

Which col did you move 1st ?
Dark Blue

Adv Maths Option 4

Yellow	to	10 - 5 - 3	2
Red	to	9 - 4 - 1	4
Orange	to	6 - 3 - 2	1
Dark Blue	to	8 - 2 - 1	5
Green	to	7 - 4 - 2	1
Light Blue	to	21 - 17 - 3	1
Red	to	33 - 29 - 1	3
Green	to	16 - 9 - 2	5
Orange	to	23 - 18 - 1	4
Dark Blue	to	44 - 36 - 6	2
Yellow	to	28 - 5 - 19	4
Green	to	13 - 6 - 5	2
Orange	to	55 - 4 - 49	2
Yellow	to	12 - 6 - 4	2
Dark Blue	to	47 - 22 - 22	3
Light Blue	to	17 - 7 - 7	3
Yellow	to	25 - 13 - 9	3
Red	to	25 - 20 - 3	2
Yellow	to	33 - 19 - 12	2

Both Blues end on Red line
Rest on line 2

Subtraction (Up to 100) - Base 10

Adv Maths Option 5				Adv Maths Option 6				Adv Maths Option 7				Adv Maths Option 8			
Yellow	to	20 - 13	7	Dark Blue	to	43 - 34	9	Yellow	to	30 - 20 - 2	8	Red	to	20 - 15 - 3	2
Orange	to	11 - 6	5	Red	to	76 - 69	7	Red	to	35 - 15 - 15	5	Orange	to	19 - 4 - 5	10
Red	to	29 - 19	10	Yellow	to	36 - 31	5	Orange	to	40 - 20 - 15	5	Light Blue	to	16 - 3 - 7	6
Light Blue	to	21 - 12	9	Dark Blue	to	42 - 39	3	Dark Blue	to	20 - 5 - 5	10	Dark Blue	to	18 - 12 - 5	1
Dark Blue	to	26 - 18	8	Green	to	61 - 59	2	Green	to	25 - 17 - 5	3	Yellow	to	17 - 8 - 2	7
Green	to	23 - 16	7	Orange	to	88 - 79	9	Light Blue	to	45 - 25 - 11	9	Green	to	21 - 7 - 5	9
Red	to	15 - 13	2	Green	to	29 - 25	4	Red	to	50 - 30 - 12	8	Orange	to	33 - 29 - 1	3
Orange	to	27 - 19	8	Red	to	43 - 39	4	Green	to	28 - 20 - 4	4	Yellow	to	46 - 9 - 29	8
Dark Blue	to	33 - 29	4	Yellow	to	71 - 69	2	Orange	to	37 - 27 - 9	1	Orange	to	23 - 18 - 1	4
Yellow	to	28 - 21	7	Green	to	96 - 86	10	Dark Blue	to	22 - 12 - 4	6	Light Blue	to	44 - 31 - 6	7
Light Blue	to	21 - 19	2	Orange	to	55 - 52	3	Yellow	to	36 - 16 - 16	4	Green	to	28 - 15 - 5	8
Green	to	34 - 25	9	Yellow	to	98 - 92	6	Green	to	55 - 40 - 13	2	Red	to	53 - 23 - 21	9
Dark Blue	to	38 - 28	10	Orange	to	41 - 37	4	Orange	to	23 - 8 - 8	7	Yellow	to	55 - 4 - 49	2
Light Blue	to	23 - 19	4	Red	to	73 - 67	6	Yellow	to	48 - 33 - 7	8	Dark Blue	to	22 - 9 - 3	10
Orange	to	31 - 23	8	Green	to	31 - 25	6	Dark Blue	to	24 - 13 - 7	4	Green	to	47 - 12 - 28	7
Green	to	25 - 19	6	Light Blue	to	61 - 53	8	Light Blue	to	37 -27 - 7	3	Yellow	to	37 -16 - 11	10
Light Blue	to	44 - 37	7	Orange	to	71 - 70	9	Yellow	to	42 - 32 - 5	5	Dark Blue	to	25 - 13 - 4	8
Red	to	26 - 17	9	Light blue	to	11 - 10	1	Red	to	20 - 10 - 9	1	Red	to	20 - 7 - 7	6
Light Blue	to	32 - 27	5	Dark Blue	to	99 - 98	1	Orange	to	77 - 11 - 60	6	Green	to	33 - 3 - 25	5

One brick on each line 5 - 10	All end on bottom line	One brick on each line 1 - 6	One brick on each line 5 - 10
	Which col did you move 1st and last ?	Which col did you move 1st ?	Which col did you move 1st ?
	Dark Blue	Yellow	Red

Addition and subtraction by brick (Up to 100)

Adv Maths Option 9

Orange	to	39 - 19 - 19	1
Green	to	43 - 38 - 3	2
Red	to	76 - Green - 71	3
Dark Blue	to	59 - Red - 52	4
Yellow	to	66 - 11 - 50	5
Light Blue	to	26 - 13 - 7	6
Dark Blue	to	33 - Light Blue - 18	9
Yellow	to	41 - Red - 29	9
Red	to	37 - Green - 32	3
Light Blue	to	64 - 58 - Green	4
Dark Blue	to	36 - 23 - Red	10
Green	to	77 - 69 - Orange	7
Red	to	100 - 33 - 61	6
Yellow	to	32 - 28 - Orange	3
Light Blue	to	48 - 39 - Green	2
Orange	to	58 - 53 - Light Blue	3
Yellow	to	24 - 9 - Green	8
Light Blue	to	68 - 57 - Light Blue	9
Orange	to	Yellow - Orange	5

Did you notice anything about the bricks ?
Started on numbers 1 - 6

Adv Maths Option 10

Yellow	to	55 + 8 - 61	2
Red	to	72 - 69 + 6	9
Orange	to	48 + 15 - 59	4
Dark Blue	to	97 - 85 - 2	10
Green	to	33 + 4 - 29	8
Light Blue	to	63 - 58 + 3	8
Red	to	42 + Red - 48	3
Green	to	15 + Dark Blue - 18	7
Orange	to	Light Blue + Dark Blue - 17	1
Dark Blue	to	27 - 16 - Green	4
Yellow	to	28 + Light Blue - 27	9
Green	to	Yellow - Orange - Red	5
Orange	to	100 - 87 - Yellow	4
Yellow	to	24 + Green - 20	8
Dark Blue	to	90 - 77 - Red	10
Green	to	79 - Yellow - 63	7
Red	to	47 - Dark Blue - 32	5
Orange	to	84 - Light Blue - 70	6

Adv Maths Option 11

Red	to	100 - 24 - 71	5
Orange	to	100 - 67 - 29	4
Light Blue	to	100 - 88 - Orange	8
Dark Blue	to	100 - 55 - 42	3
Yellow	to	100 - 69 - 23	8
Green	to	100 - 91 - Yellow	1
Orange	to	41 + Red - 38	8
Yellow	to	100 - 34 - 60	6
Orange	to	72 - 68 + Green	5
Light Blue	to	80 - 36 - 34	10
Green	to	100 - 83 - Light Blue	7
Red	to	48 - 41 - Red	2
Yellow	to	100 - 55 - 37	8
Dark Blue	to	Yellow + Green - 6	9
Green	to	Yellow - Orange	3
Red	to	100 - 89 - Green	8
Light Blue	to	31 - Dark Blue - 19	3
Dark Blue	to	100 - 22 - 70	8
Orange	to	66 - 33 - 30	3

Which col did you move 1st ?
Red

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Basic Multiplication (up to 10) - 1 to 5 Times Tables

Operations Option 1				Operations Option 2				Operations Option 3				Operations Option 4			
Red	to	1 x 5	5	Yellow	to	2 x 3	6	Dark Blue	to	7 x 1	7	Orange	to	4 x 2	8
Orange	to	2 x 3	6	Red	to	1 x 5	5	Red	to	2 x 4	8	Green	to	5 x 1	5
Light Blue	to	4 x 1	4	Orange	to	4 x 2	8	Yellow	to	3 x 1	3	Red	to	2 x 3	6
Green	to	2 x 4	8	Dark Blue	to	1 x 1	1	Dark Blue	to	10 x 1	10	Dark Blue	to	3 x 1	3
Dark Blue	to	3 x 1	3	Green	to	4 x 2	8	Green	to	5 x 1	5	Yellow	to	1 x 1	1
Green	to	2 x 5	10	Light Blue	to	9 x 1	9	Orange	to	2 x 2	4	Light Blue	to	2 x 2	4
Yellow	to	2 x 1	2	Red	to	2 x 5	10	Green	to	8 x 1	8	Green	to	2 x 4	8
Red	to	3 x 2	6	Green	to	1 x 4	4	Red	to	3 x 1	3	Yellow	to	10 x 1	10
Orange	to	1 x 1	1	Orange	to	3 x 3	6	Yellow	to	1 x 5	5	Red	to	5 x 2	10
Light Blue	to	3 x 3	9	Dark Blue	to	7 x 1	7	Light Blue	to	1 x 9	9	Light Blue	to	1 x 5	5
Green	to	4 x 2	8	Yellow	to	2 x 4	8	Orange	to	2 x 3	6	Orange	to	2 x 3	6
Red	to	5 x 1	5	Green	to	3 x 1	3	Yellow	to	1 x 7	7	Yellow	to	4 x 1	4
Orange	to	2 x 3	6	Orange	to	10 x 1	10	Orange	to	4 x 2	8	Red	to	2 x 4	8
Yellow	to	3 x 3	9	Yellow	to	5 x 1	5	Red	to	1 x 1	1	Yellow	to	3 x 1	3
Dark Blue	to	1 x 1	1	Dark Blue	to	2 x 2	4	Light Blue	to	4 x 2	8	Light Blue	to	2 x 5	10
Red	to	2 x 4	8	Green	to	8 x 1	8	Dark Blue	to	1 x 6	6	Orange	to	1 x 7	7
Orange	to	2 x 4	8	Orange	to	3 x 1	3	Green	to	3 x 2	6	Green	to	1 x 5	5
Dark Blue	to	10 x 1	10	Light Blue	to	1 x 5	5	Red	to	1 x 7	7	Yellow	to	3 x 2	6
Green	to	5 x 2	10	Yellow	to	1 x 9	9					Dark Blue	to	1 x 9	9

Two bricks on last three lines all on the right hand side

Two bricks on last three lines Orange and Green on Red line

Two bricks on first three lines all on the right hand side

Which did you move 1st ?
Dark Blue

One brick on each line 5 - 10

Which did you move 1st ?
Orange

Operations Option 5

Dark Blue	to	2 x 5	10
Red	to	18 - Dark Blue	8
Yellow	to	2 x 3 + 3	9
Dark Blue	to	2 x 2	4
Green	to	Dark Blue x 3 - 6	6
Orange	to	10 x 0 + 2	2
Green	to	1 x 5	5
Red	to	Green - Orange	3
Yellow	to	Red x Dark Blue - 11	1
Light Blue	to	Orange x Red	6
Orange	to	Orange x Green	10
Yellow	to	Dark Blue x Dark Blue - 9	7
Orange	to	Red x Green - Yellow	8
Red	to	Dark Blue x Green - 18	2
Light Blue	to	Red x Green - Yellow	3
Dark Blue	to	Red x Light Blue	6
Yellow	to	Red x Red x 1	4
Orange	to	Red x Light Blue - Green	1

One brick on each line 1 - 6

Which did you move 1st ?
Red

Operations Option 6

Red	to	1 x 7	7
Orange	to	4 x 3 - Red	5
Light Blue	to	2 x Orange - Red	3
Green	to	2 x Red - 12	2
Dark Blue	to	Green x Red - 4	10
Green	to	Dark Blue - Orange x 1	5
Yellow	to	8 x 0 + 3	3
Red	to	Orange - Light Blue x 1	2
Orange	to	Yellow x Red	6
Light Blue	to	Red x Red x Red	8
Green	to	Yellow x Orange - 9	9
Red	to	Red x Green - 14	4
Orange	to	Yellow x Red - Orange	6
Yellow	to	Yellow x Orange -14	4
Dark Blue	to	Red + Yellow + 2	10
Red	to	Red x Yellow - 7	9
Orange	to	10 + Light Blue - Dark Blue	8
Light Blue	to	Orange + Yellow - 7	5
Green	to	Yellow x Yellow - 13	3

Two bricks on last three lines
Orange and Green on Red line

Operations Option 7

Light Blue	to	4 x 5 - 10	
Yellow	to	1 x 9 x 1	
Green	to	2 x 2 x 2	
Red	to	7 x 0 + 7	
Orange	to	2 x 2 + 2	
Dark Blue	to	5 - 0 x 1	
Yellow	to	2 x 3 x 2 - 8	
Red	to	3 x 4 x 1 - 9	
Light Blue	to	2 x 5 x 2 - 18	
Green	to	3 x 3 x 3 - 26	
Orange	to	6 x 0 + 8	
Red	to	Light Blue x Yellow + 2	
Yellow	to	Light Blue x Red - Red	
Light Blue	to	Green x Light Blue + Orange	
Green	to	Green x 3 + Dark Blue	
Red	to	Yellow - Orange x Dark Blue	
Green	to	(3 + 3) x 3 - 10	
Yellow	to	Green + Orange - 12	
Red	to	2 x Dark Blue - 2	
Green	to	3 x 1 x 3	

Two bricks on last three lines
Orange and Red on Red line

Did you notice anything about the bricks ?
Started on numbers 10 down to 1

10

9

8

7

6

5

4

3

2

1

8

10

10

10

8

10

8

4

8

9

Operations Option 8

Orange	2 x 3 + 2	8
Green	1 x 5 + 5	10
Red	4 x 2 - 4	4
Dark Blue	1 x 1 + 1	2
Yellow	4 x 2 + 1	9
Light Blue	9 x 1 - 8	1
Green	2 x 5 - 4	6
Yellow	1 x 4 + 6	10
Red	3 x 3 - 3	6
Light Blue	7 x 1 + 2	9
Orange	2 x 4 - 5	3
Yellow	3 x 1 + 5	8
Red	10 x 1 - 6	4
Yellow	5 x 1 - 4	1
Light Blue	2 x 2 x 2	8
Orange	2 x 2 x 2	8
Green	3 x 4 - 9	3
Yellow	8 x 1 - 3	5
Light Blue	1 x 9 - 8	1

All bricks on left hand side
except Orange on right on Red

Operations Option 9

Red	to	3 x 4 - 10	2
Orange	to	4 x 6 - 20	4
Light Blue	to	7 x 6 - 40	2
Green	to	3 x 3 - 0	9
Dark Blue	to	9 x 5 - 40	5
Green	to	8 x 4 - 30	2
Yellow	to	7 x 8 - 50	6
Red	to	9 x 9 - 80	1
Orange	to	7 x 5 - 25	10
Light Blue	to	8 x 6 - 40	8
Green	to	12 x 2 - 20	4
Red	to	8 x 9 - 70	2
Orange	to	11 x 3 - 30	3
Yellow	to	9 x 7 - 60	3
Light Blue	to	12 x 1 - 10	2
Red	to	9 x 7 - 60	3
Orange	to	8 x 3 - 20	4
Dark Blue	to	6 x 7 - 40	2
Yellow	to	9 x 5 - 40	5

All bricks on left hand side
Only Red on Red line

Operations Option 10

Dark Blue	to	2 x 9 - 15	3
Red	to	3 x 8 - 20	4
Yellow	to	4 x 6 - 15	9
Light Blue	to	7 x 4 - 25	3
Green	to	8 x 7 - 50	6
Orange	to	12 x 4 - 45	6
Red	to	9 x 9 - 75	6
Yellow	to	12 x 6 - 65	7
Red	to	6 x 8 - 40	8
Light Blue	to	7 x 7 - 40	9
Orange	to	11 x 8 - 80	8
Yellow	to	6 x 5 - 25	5
Orange	to	4 x 8 - 24	8
Red	to	8 x 8 - 55	9
Light Blue	to	5 x 12 - 50	10
Dark Blue	to	3 x 7 - 15	6
Green	to	8 x 9 - 65	7
Yellow	to	12 x 4 - 40	8

All bricks on right hand side
Yellow & Orange on Red line

Which did you move 1st ?
Dark Blue

Operations Option 11

Yellow	to	9 x 7 - 55	8
Red	to	8 x 8 - 59	5
Orange	to	7 x 7 - 45	4
Dark Blue	to	5 x 8 - 35	5
Green	to	6 x 7 - 41	1
Light Blue	to	7 x 8 - 51	5
Red	to	9 x 6 - 45	9
Green	to	12 x 4 - 42	6
Orange	to	8 x 6 - 41	7
Dark Blue	to	7 x 5 - 25	10
Yellow	to	9 x 8 - 69	3
Green	to	6 x 6 - 31	5
Orange	to	9 x 9 - 79	2
Yellow	to	11 x 4 - 38	6
Dark Blue	to	9 x 5 - 38	7
Green	to	10 x 12 - 110	10
Orange	to	7 x 7 - 44	5
Light Blue	to	12 x 5 - 52	8

One brick on each line 5 - 10

Which did you move 1st ?
Yellow

Operations Option 12

Dark Blue	to	12 ÷ 6	2
Red	to	15 ÷ 5	3
Yellow	to	20 ÷ 4	4
Light Blue	to	18 ÷ 3	6
Green	to	14 ÷ 2	7
Orange	to	9 ÷ 1	9
Green	to	21 ÷ 7	3
Red	to	24 ÷ 4	6
Yellow	to	32 ÷ 4	8
Light Blue	to	40 ÷ 8	5
Orange	to	77 ÷ 11	7
Yellow	to	21 ÷ 7	3
Orange	to	15 ÷ 5	3
Red	to	28 ÷ 7	4
Light Blue	to	12 ÷ 12	1
Dark Blue	to	32 ÷ 4	8
Yellow	to	45 ÷ 9	5
Orange	to	24 ÷ 12	2

All bricks on left hand side
except Dark Blue on right on Red

Operations Option 13

Red	to	24 ÷ 6	4
Orange	to	21 ÷ 3	7
Light Blue	to	20 ÷ 4	5
Green	to	12 ÷ 6	2
Dark Blue	to	40 ÷ 4	10
Green	to	60 ÷ 6	10
Yellow	to	24 ÷ 8	3
Red	to	24 ÷ 12	2
Orange	to	32 ÷ 8	4
Light Blue	to	24 ÷ 6	4
Green	to	36 ÷ 12	3
Red	to	40 ÷ 8	5
Orange	to	36 ÷ 4	9
Yellow	to	28 ÷ 4	7
Dark Blue	to	16 ÷ 4	4
Red	to	40 ÷ 5	8
Orange	to	50 ÷ 5	10
Light Blue	to	24 ÷ 12	2
Orange	to	27 ÷ 3	9

All bricks on middle three lines
Red and Green on Red line

Which did you move 1st ?
Red

Operations Option 14

Light Blue	to	36 ÷ 6	6
Yellow	to	24 ÷ 4	3
Green	to	6 ÷ 6	1
Red	to	12 ÷ 4	3
Orange	to	24 ÷ 6	4
Dark Blue	to	30 ÷ 3	10
Yellow	to	30 ÷ 6	5
Red	to	28 ÷ 7	4
Light Blue	to	48 ÷ 12	4
Green	to	24 ÷ 6	4
Orange	to	15 ÷ 5	3
Red	to	60 ÷ 12	5
Yellow	to	45 ÷ 5	9
Dark Blue	to	32 ÷ 4	8
Green	to	35 ÷ 5	7
Red	to	9 ÷ 3	3
Green	to	24 ÷ 8	3
Yellow	to	32 ÷ 4	8
Light Blue	to	16 ÷ 2	8

All bricks on Red line

Which did you move 1st ?
Light Blue

Operations Option 15

Light Blue	to	40 ÷ 8	5
Yellow	to	21 ÷ 7	3
Green	to	44 ÷ 11	4
Red	to	32 ÷ 4	8
Orange	to	20 ÷ 5	4
Dark Blue	to	18 ÷ 6	3
Yellow	to	21 ÷ 3	7
Red	to	45 ÷ 5	9
Light Blue	to	36 ÷ 6	6
Green	to	18 ÷ 6	3
Orange	to	14 ÷ 7	2
Red	to	10 ÷ 10	1
Yellow	to	28 ÷ 7	4
Dark Blue	to	40 ÷ 4	10
Green	to	25 ÷ 5	5
Red	to	4 ÷ 2	2
Green	to	24 ÷ 6	4
Light Blue	to	36 ÷ 12	3
Dark Blue	to	27 ÷ 9	3

All bricks on middle three lines
Both Blues on Red line

Which did you move 1st ?
Light Blue

Basic Division (up to 144) - 1 to 12 Times Tables

Operations Option 16				Operations Option 17				Operations Option 18				Operations Option 19			
Dark Blue	to	12 ÷ 6	2	Red	to	110 ÷ 11	10	Light Blue	to	60 ÷ 12	5	Orange	to	64 ÷ 8	8
Red	to	15 ÷ 5	3	Orange	to	21 ÷ 3	7	Yellow	to	77 ÷ 11	7	Green	to	72 ÷ 9	8
Yellow	to	20 ÷ 5	4	Light Blue	to	24 ÷ 4	6	Green	to	48 ÷ 8	6	Red	to	48 ÷ 12	4
Light Blue	to	64 ÷ 8	8	Green	to	18 ÷ 6	3	Red	to	72 ÷ 9	8	Dark Blue	to	56 ÷ 7	8
Green	to	72 ÷ 8	9	Dark Blue	to	48 ÷ 8	6	Orange	to	72 ÷ 12	6	Yellow	to	21 ÷ 7	3
Orange	to	42 ÷ 7	6	Green	to	90 ÷ 9	10	Dark Blue	to	63 ÷ 9	7	Light Blue	to	27 ÷ 3	7
Green	to	48 ÷ 6	8	Yellow	to	32 ÷ 8	4	Yellow	to	80 ÷ 8	10	Green	to	33 ÷ 11	3
Red	to	81 ÷ 9	9	Red	to	63 ÷ 9	7	Red	to	35 ÷ 5	7	Yellow	to	72 ÷ 8	9
Yellow	to	120 ÷ 12	10	Orange	to	64 ÷ 8	8	Light Blue	to	56 ÷ 7	8	Red	to	40 ÷ 5	8
Light Blue	to	60 ÷ 12	5	Light Blue	to	72 ÷ 9	8	Green	to	24 ÷ 12	2	Light Blue	to	24 ÷ 12	2
Orange	to	77 ÷ 11	7	Green	to	48 ÷ 12	4	Orange	to	48 ÷ 6	8	Orange	to	27 ÷ 9	3
Yellow	to	48 ÷ 8	6	Red	to	56 ÷ 7	8	Red	to	20 ÷ 4	5	Yellow	to	50 ÷ 5	10
Orange	to	48 ÷ 8	6	Orange	to	21 ÷ 7	3	Yellow	to	48 ÷ 8	6	Red	to	42 ÷ 6	7
Red	to	72 ÷ 12	6	Yellow	to	24 ÷ 3	8	Dark Blue	to	54 ÷ 6	9	Yellow	to	48 ÷ 6	8
Light Blue	to	63 ÷ 9	7	Dark Blue	to	33 ÷ 11	3	Green	to	81 ÷ 9	9	Light Blue	to	56 ÷ 8	7
Dark Blue	to	80 ÷ 8	10	Red	to	72 ÷ 8	9	Red	to	49 ÷ 7	7	Orange	to	30 ÷ 6	5
Yellow	to	45 ÷ 5	9	Orange	to	40 ÷ 5	8	Green	to	28 ÷ 4	7	Green	to	72 ÷ 8	9
Green	to	60 ÷ 6	10	Green	to	36 ÷ 12	3	Yellow	to	99 ÷ 11	9	Red	to	27 ÷ 3	7
				Red	to	27 ÷ 9	3					Orange	to	84 ÷ 12	4

3 bricks on top 2 lines
3 bricks on bottom 2 lines
no bricks on Red line

Where is Red brick ? Bottom

All bricks on Red line

Which did you move 1st ?

Red

All bricks on right hand side
2 bricks on the 3 middle lines

All bricks on right hand side
2 bricks on the 3 middle lines

Which did you move 1st and last ?

Orange

Four operations / basic equations (up to 144)

Operations Option 20

Dark Blue	to	72 ÷ 12	6
Red	to	48 ÷ Dark Blue	8
Yellow	to	72 ÷ Red	9
Light Blue	to	27 ÷ Yellow	3
Green	to	27 ÷ Light Blue	9
Orange	to	81 ÷ Green	9
Green	to	63 ÷ Yelow	7
Red	to	40 ÷ Red	5
Yellow	to	54 ÷ Yellow	6
Light Blue	to	24 ÷ Dark Blue	4
Orange	to	60 ÷ Yellow	10
Yellow	to	40 ÷ Orange	4
Orange	to	36 ÷ Light Blue	9
Red	to	48 ÷ Dark Blue	8
Light Blue	to	Red ÷ Yellow	2
Dark Blue	to	72 ÷ Orange	8
Yellow	to	12 ÷ Light Blue	6
Light Blue	to	56 ÷ Red	7

All bricks on right hand side
Dark Blue and Red on Red line

Operations Option 21

Red	to	81 ÷ 9	9
Orange	to	18 ÷ 3	6
Light Blue	to	54 ÷ Orange	9
Green	to	45 ÷ Red	5
Dark Blue	to	30 ÷ Green	6
Green	to	54 ÷ Orange	9
Yellow	to	27 ÷ Red	3
Dark Blue	to	72 ÷ Orange ÷ Orange	2
Orange	to	Green ÷ Yellow	3
Light Blue	to	130 ÷ 10 - Green	4
Green	to	72 ÷ Red ÷ Light Blue	2
Red	to	144 ÷ 12 - Yellow	9
Orange	to	Red ÷ Yellow x Green	6
Yellow	to	Green x Red ÷ Red	2
Dark Blue	to	96 ÷ 12 ÷ Light Blue	2
Red	to	99 ÷ Red - Orange	5
Orange	to	Orange - Red x Yellow	2
Yellow	to	15 x Yellow ÷ 10	3

All bricks on left hand side
one on each line - two on Red line

Which did you move 1st ?
Red

Operations Option 22

Light Blue	to	10 x Dark Blue + 3	3
Yellow	to	8 x Light Blue ÷ 12	2
Green	to	48 ÷ Light Blue ÷ Yellow	8
Red	to	100 ÷ Yellow ÷ 5	10
Orange	to	Yellow x Red ÷ Yellow	10
Dark Blue	to	Green ÷ Yellow	4
Yellow	to	(34 + 22) ÷ Green	7
Red	to	100 ÷ Orange ÷ Orange	1
Dark Blue	to	(78 - 69) ÷ Light Blue	3
Green	to	64 ÷ Green ÷ Red	8
Orange	to	Green x Green ÷ Green	8
Light Blue	to	Dark Blue x Green ÷ Orange	3
Yellow	to	(14 + 58) ÷ Orange	9
Dark Blue	to	(102 - 22) ÷ Green	10
Green	to	(Red x Yellow) - (Red x Orange)	1
Red	to	(65 - 41) ÷ Orange	3
Dark Blue	to	48 ÷ 2 ÷ Red	8
Green	to	72 ÷ Yellow ÷ 1	8
Yellow	to	(100 - 64) ÷ 12 x 1	3

All bricks on Red line

Which did you move 1st ?
Light Blue

(NB - Initial Brick value = 0)