<u>**Hinguar Primary School and Nursery**</u>
<u>**Times Tables Challenge**</u>

<u>**Expectations for each year group**</u>
<u>**No child should work beyond their year group**</u>

<u>**Foundation Stage (Red)**</u>

<u>**Bronze Level –**</u> Each child to be able to count up to 10
<u>**Silver Level –**</u> Each child to be able to count up to 20
<u>**Gold Level –**</u> Each child to be able to count on from a given number

<u>**Year 1 (Yellow)**</u>

<u>**Bronze Level –**</u> Each child to be able to recite their 10 times tables in order and out of order
<u>**Silver Level –**</u> Each child to be able to recite their 5 and 2 times tables in order and out of order
<u>**Gold Level –**</u> Each child to be able to calculate one more and one less than a given one, two or three digit number

<u>**Year 2 (Pink)**</u>

<u>**Bronze Level –**</u> Each child to be able to recite their 3 times tables in order and out of order
<u>**Silver Level –**</u> Each child to understand the place value of tens and ones
<u>**Gold Level –**</u> Each child can compare numbers up to 100 using the greater than, less than and equals signs ><=

<u>**Year 3 (Green)**</u>

<u>**Bronze Level –**</u> Each child to be able to recite their 4,8,50 and 100 times tables in order
<u>**Silver Level –**</u> Each child to be able to recite their 4,8,50 and 100 times tables in random order
<u>**Gold Level –**</u> Each child to be able to calculate 10 or 100 more than and less than a given number

<u>**Year 4 (Purple)**</u>

<u>**Bronze Level –**</u> Each child to be able to recite their 6, 7, 9 and 25 times tables in order
<u>**Silver Level –**</u> Each child to be able to recite their 6, 7, 9 and 25 times tables in random order
<u>**Gold Level –**</u> Each child can count backwards through zero into negative integers.

Year 5 (Orange)

Bronze Level – Each child can recite all of their times tables out of order.
Silver Level – Each child can round a given number to the nearest 10,100,1000,10000,1000000,1000000
Gold Level – Each child can verbalise what the roman numerals stand for in numbers.

Year 6 (Blue)

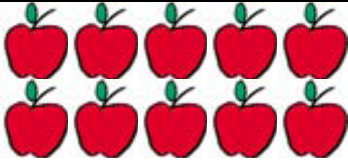**Bronze Level –** Each child can recite all of their times tables out of order including decimals.
Silver Level – Each child can convert between words and figures and understand place value up to 10, 000, 000
Gold Level – Each child can solve simple algebraic equations using BIDMAS. (Brackets, integers, division, multiplication, addition ,subtraction)

Class expectations
- Children to be tested regularly either by teacher or TA
- Once a child has completed a level they take their sheet to the office for a certificate
- Recommended that each child aims for one times table certificate a term
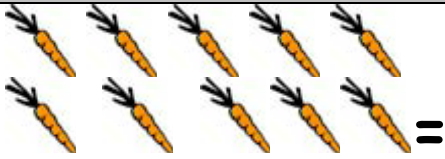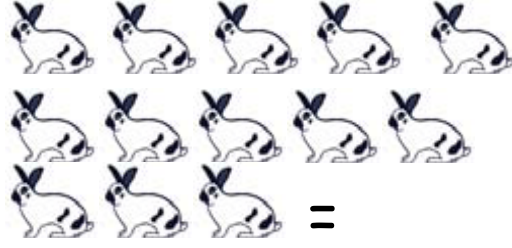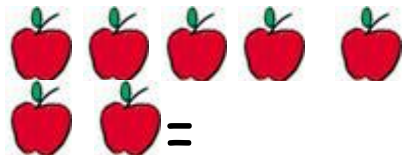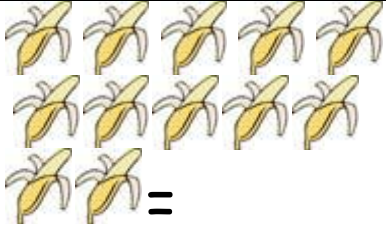
Red (Bronze)

Question	How many?
1	
2	
3	
4	
5	
6	
7	
8	
9	
10	

I can count up to 10. The date I achieved this is:
_____
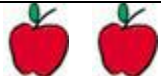
Red (Silver)

Question	Sum	Answer
1	carrots =	
2	rabbits =	
3	apples =	
4	dogs =	
5	bananas =	
6	monkeys =	

I can count up to 20 using base 10. The date I achieved this is:

_____

Red (Gold)

I can count on from a given number. The date I achieved this is:

Question	Count on from the given number	Answer
1	10	
2	15	
3	5	
4	2	
5	3	
6	15	
7	7	
8	8	
9	10	
10	4	

Yellow Yr1 (Bronze)

I know my 10 times table in order and in random order. The date I achieved this is:

_____

10x table	10x table
1x 10=10	2x10=20
2x10=20	8x10=80
3x10=30	4x10=40
4x10=40	6x10=60
5x10=50	1x10=10
6x10=60	5x10=50
7x10=70	9x10=90
8x10=80	7x10=70
9x10=90	10x10=100
10x10=100	3x10=30
11x10=110	4x10=40
12x10=120	11x10=110
Date completed: Witnessed by:	Date completed: Witnessed by:

Yellow Yr1 (Silver)

I know my 5 and 2 times table in order and in random order. The date I achieved this is:

5x table	5x table
1x 5=5	12x5=60
2x5=10	2x5=10
3x5=15	4x5=20
4x5=20	5x5=25
5x5=25	6x5=30
6x5=30	9x5=45
7x5=35	10x5=50
8x5=40	7x5=35
9x5=45	11x5=55
10x5=50	8x5=40
11x5=55	1x 5=5
12x5=60	5x2=10
Date completed:	Date completed:
Witnessed by:	Witnessed by:
2x table	**2x table**
1x2=2	1x2=2
2x2=4	7x2=14
3x2=6	3x2=6
4x2=8	10x2=20
5x2=10	4x2=8
6x2=12	11x2=22
7x2=14	5x2=10
8x2=16	6x2=12
9x2=18	8x2=16
10x2=20	9x2=18
11x2=22	12x2=24
12x2=24	2x2=4
Date completed:	Date completed:
Witnessed by:	Witnessed by:

Yellow Yr1 (Gold)

I can calculate one more and one less than one, two and three digit numbers:

Question	One more and one less	Witnessed by:
1	One more than: 20	
2	One less than: 15	
3	One more than: 37	
4	One more than: 69	
5	One less than: 100	
6	One less than: 5	
7	One less than: 121	
8	One more than: 100	
9	One less than: 67	
10	One less than: 88	
11	One more than: 72	
12	One less than: 25	
13	One more than: 150	
14	One more than: 26	
15	One less than: 20	
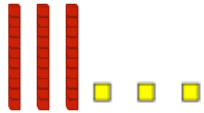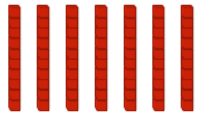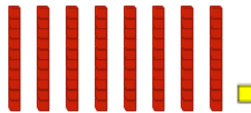
Pink Yr2 (Bronze)

I know my 3 times table in order and in random order. The date I achieved this is:
_____

3x table	3x table
1x3=3	1x3=3
2x3=6	8x3=24
3x3=9	2x3=6
4x3=12	12x3=36
5x3=15	3x3=9
6x3=18	9x3=27
7x3=21	4x3=12
8x3=24	6x3=18
9x3=27	7x3=21
10x3=30	10x3=30
11x3=33	11x3=33
12x3=36	5x3=15
Date completed:	Date completed:
Witnessed by:	Witnessed by:

Pink Yr2 (Silver)

I understand the place value of tens and ones:

Question	Visual Model	How many tens and ones?		Number written as a figure	Witnessed by:
1		Tens	Ones		
2					
3					
4					
5					
6					
7					
8					
9					
10					

Pink Yr2 (Gold)

I can compare numbers up to 100 using the greater than, less than and equals signs ><=

Question	Insert the correct sign =<>	Witnessed by:
1	37 43	
2	23 23	
3	98 27	
4	10 0	
5	78 23	
6	100 100	
7	10 15	
8	67 19	
9	57 12	
10	11 25	
11	64 64	
12	23 22	
13	1 0	
14	17 100	
15	12 18	

Green Yr3 (Bronze)
I know my 4,8,50 and 100 times table in order.
The date I achieved this is:

4x table	8x table
1x4=4	1x8=8
2x4=8	2x8=16
3x4=12	3x8=24
4x4=16	4x8=32
5x4=20	5x8=40
6x4=24	6x8=48
7x4=28	7x8=56
8x4=32	8x8=64
9x4=36	9x8=72
10x4=40	10x8=80
11x4=44	11x8=88
12x4=48	12x8=96
Date completed: Witnessed by:	Date completed: Witnessed by:
50x table	**100x table**
1x50=50	1x100=100
2x50=100	2x100=200
3x50=150	3x100=300
4x50=200	4x100=400
5x50=250	5x100=500
6x50=300	6x100=600
7x50=350	7x100=700
8x50=400	8x100=800
9x50=450	9x100=900
10x50=500	10x100=1000
11x50=550	11x100=1100
12x50=600	12x100=1200
Date completed: Witnessed by:	Date completed: Witnessed by:

I know my 4,8,50 and 100 times table in random order.

The date I achieved this is:

4x table	8x table
1x4=4	6x8=48
3x4=12	8x8=64
6x4=24	1x8=8
10x4=40	2x8=16
8x4=32	10x8=80
4x4=16	5x8=40
7x4=28	12x8=96
9x4=36	3x8=24
11x4=44	4x8=32
12x4=48	7x8=56
5x4=20	9x8=72
2x4=8	11x8=88
Date completed: **Witnessed by:**	**Date completed:** **Witnessed by:**
50x table	100x table
1x50=50	1x100=100
10x50=500	6x100=600
6x50=300	11x100=1100
5x50=250	8x100=800
2x50=100	2x100=200
4x50=200	3x100=300
7x50=350	4x100=400
3x50=150	5x100=500
12x50=600	7x100=700
8x50=400	10x100=1000
9x50=450	9x100=900
11x50=550	12x100=1200
Date completed: **Witnessed by:**	**Date completed:** **Witnessed by:**

Green Yr3 (Gold)

I can calculate 10/100 more and less than a given number:

Question	10/100 more or less	Witnessed by:
1	10 more than: 275	
2	10 less than: 894	
3	10 less than: 1000	
4	100 more than: 990	
5	100 less than: 670	
6	10 more than: 27	
7	100 more than: 873	
8	100 less than: 987	
9	10 more than: 590	
10	100 less than: 600	
11	100 more than: 654	
12	100 less than: 100	
13	10 less than: 10	
14	100 more than: 0	
15	10 less than: 1000	

Purple Yr4 (Bronze)

I know my 6, 7, 9 and 25 times table in order.

The date I achieved this is:

6x table	7x table
1x6=6	1x7=7
2x6=12	2x7=14
3x6=18	3x7=21
4x6=24	4x7=28
5x6=30	5x7=35
6x6=36	6x7=42
7x6=42	7x7=49
8x6=48	8x7=56
9x6=54	9x7=63
10x6=60	10x7=70
11x6=66	11x7=77
12x6=72	12x7=84
Date completed:	Date completed:
Witnessed by:	Witnessed by:
9x table	25x table
1x9=9	1x25=25
2x9=18	2x25=50
3x9=27	3x25=75
4x9=36	4x25=100
5x9=45	5x25=125
6x9=54	6x25=150
7x9=63	7x25=175
8x9=72	8x25=200
9x9=81	9x25=225
10x9=90	10x25=250
11x9=99	11x25=275
12x9=108	12x25=300
Date completed:	Date completed:
Witnessed by:	Witnessed by:

I know my 6, 7, 9 and 25 times table in random order.

The date I achieved this is:

6x table	7x table
1x6=6	1x7=7
4x6=24	5x7=35
5x6=30	11x7=77
2x6=12	2x7=14
3x6=18	4x7=28
6x6=36	6x7=42
7x6=42	7x7=49
8x6=48	9x7=63
11x6=66	3x7=21
12x6=72	8x7=56
9x6=54	10x7=70
10x6=60	12x7=84
Date completed: Witnessed by:	Date completed: Witnessed by:
9x table	**25x table**
1x9=9	3x25=75
11x9=99	6x25=150
2x9=18	9x25=225
4x9=36	1x25=25
6x9=54	2x25=50
7x9=63	4x25=100
8x9=72	5x25=125
10x9=90	11x25=275
12x9=108	7x25=175
5x9=45	8x25=200
9x9=81	12x25=300
3x9=27	10x25=250
Date completed: Witnessed by:	Date completed: Witnessed by:

Purple Yr4 (Gold)

I can count backwards through zero into negative integers.
The date I achieved this is:

Question	Negative numbers	Witnessed by:
1	25 – 27	
2	7 less than -5	
3	122 – 134	
4	3 – 17	
5	9 – 27	
6	90 – 99	
7	28 – 28	
8	26 – 45	
9	9 fewer than 2	
10	Subtract 21 from 12	
11	45 minus 49	
12	35 take away 49	
13	76 – 82	
14	2- 3	
15	20 - 56	

Orange Yr5 (Bronze)

I know all of my times tables out of order.
The date I achieved this is:

Number	Question	Number	Question
1	4x9=36	26	9x4=36
2	5x5=25	27	8x8=64
3	9x6=54	28	8x7=56
4	4x4=16	29	7x12=84
5	8x2=16	30	9x1=9
6	6x7=42	31	4x2=8
7	7x8=56	32	9x3=27
8	10x10=100	33	4x6=24
9	6x1=6	34	7x5=35
10	3x7=21	35	6x9=54
11	6x6=36	36	5x100=500
12	3x2=6	37	3x8=24
13	8x3=24	38	7x7=49
14	9x50=450	39	8x4=32
15	4x7=28	40	7x6=42
16	6x4=24	41	3x5=15
17	5x8=40	42	9x2=18
18	3x10=30	43	2x4=8
19	9x5=45	44	8x6=48
20	5x1=5	45	9x7=63
21	4x3=12	46	5x9=45
22	7x9=63	47	10x2=20
23	8x0=0	48	6x25=150
24	7x2=14	49	8x9=72
25	6x3=18	50	7x4=28

Orange Yr5 (Silver)

I can round to the nearest 10, 100, 1000, 10000, 100000, 1000000. The date I achieved this is:

Question	Round to the nearest 10, 100, 1000, 10000, 100000 , 1000000	Witnessed by:
1	To the nearest 10: 5	
2	To the nearest 100: 87	
3	To the nearest 1000: 1672	
4	To the nearest 10, 000: 15,000	
5	To the nearest 100, 000: 550,000	
6	To the nearest 1, 000, 000: 2, 222,900	
7	To the nearest 10: 29	
8	To the nearest 100, 000: 330,000	
9	To the nearest 1, 000, 000: 9,234,000	
10	To the nearest 1000: 9499	
11	To the nearest 100: 1234	
12	To the nearest 1000: 2500	
13	To the nearest 1, 000, 000: 3,500,000	
14	To the nearest 100: 798	
15	To the nearest 10, 000: 12,000	

Orange Yr5 (Gold)

I can verbalise what the roman numerals stand for in numbers.
The date I achieved this is:

Question	Roman Numerals	Witnessed by:
1	I	
2	IV	
3	VIII	
4	X	
5	XIII	
6	XIV	
7	XC	
8	LXXX	
9	L	
10	XVI	
11	XCIX	
12	CCX	
13	XXXVIII	
14	CL	
15	C	

Blue Yr6 (Bronze)

I can recite all of my times tables out of order including decimals.
The date I achieved this is:

Number	Question	Number	Question
1	4x50=200	26	48 divided by 6 is 8
2	0.3x9=2.7	27	0.9x6=5.4
3	6x100=600	28	6x50=300
4	0.7x6=4.2	29	Double 9 is 18
5	7x20=140	30	9x300=2700
6	3x300=900	31	?x3=24
7	0.5x4=2	32	4x70=280
8	5x700=3500	33	Is 4x4 a square number? (y)
9	6x8=48	34	0.1x1=0.1
10	40 divided by 5=8	35	42 divided by 7 is 6
11	The product of 10 and 5 is 50	36	9x?=63
12	7x0.1=0.7	37	50x50=2500
13	5x60=300	38	72 divided by 8 is 9
14	10x8=80	39	The product of 10 and 7 is 70
15	21 divided by 7 is 3	40	?x8=64
16	The product of 7 and 4 is 28	41	Is 2x7 a square number?(n)
17	4 x ?= 40	42	0.4x8=3.2
18	Double 6 is 12	43	7x5=35
19	Is 2x2 a square number? (y)	44	0.03x6=0.18
20	8x?=56	45	Double 8 is 16
21	54 divided by 9 is 6	46	0.05x8=0.4
22	4x90=360	47	72 divided by 8 is 9
23	0.7x7=4.9	48	7x8=56
24	9x400=3600	49	?x5=25
25	The product of 9 and 5 is 45	50	900x90=81000

Blue Yr6 (Silver)

I can convert between figures and words understanding place value up to 10, 000, 000.
The date I achieved this is:

Question	Figures	Words	Witnessed by:
1		Ten thousand one hundred and seven	
2	22, 367		
3		Four hundred and one	
4	16, 027		
5		One million	
6		Seventy thousand three hundred and seven	
7	96,200,345		
8		Twenty thousand	
9	17,777		
10		Nine million, nine thousand and seventy six	
11	20,000,000		
12	1090		
13		Four million and nine hundred thousand	
14	90,000,000		
15	23765		

Blue Yr6 (Gold)

I can solve simple algebraic equations using BIDMAS.
The date I achieved this is:

Question	Equation	Answer	Witnessed by:
1	$3(5x - 4) = 2(2x + 5)$		
2	$5x - 2 = 12 - 2x$		
3	$2(5x + 1) = 3(3x + 7)$		
4	$2x + 2 = x + 4$		
5	$3(2x - 5) = 3(x + 1)$		
6	$2(2x + 1) - 3(x - 1) = 8$		
7	$3x + 5 = 11$		
8	$2y + 1.8 = 4y - 4.4$		
9	$8(m + 5) = 16$		
10	$\frac{1}{2} x + 6 = 10$		
11	$2(3x - 7) + 4(3x + 2) = 6(5x + 9) + 3$		
12	$5c - 4 - 2c + 1 = 8c + 2$		
13	$5x - 6 = 3x - 8$		
14	$2x - 4 = 10$		
15	$2x - 3 = \tfrac{1}{2}$		