



Hinguar Primary School and Nursery



Times Tables Challenge

Expectations for each year group
No child should work beyond their year group!

Foundation Stage (Red)

Bronze Level - Each child to be able to count up to 10

Silver Level - Each child to be able to count up to 20

Gold Level - Each child to be able to count on from a given number

Year 1 (Yellow)

Bronze Level - Each child to be able to recite their 10 times tables in order and out of order

Silver Level - Each child to be able to recite their 5 and 2 times tables in order and out of order

Gold Level - Each child to be able to calculate one more and one less than a given one, two or three digit number

Year 2 (Pink)

Bronze Level - Each child to be able to recite their 3 times tables in order and out of order

Silver Level - Each child to understand the place value of tens and ones

Gold Level - Each child can compare numbers up to 100 using the greater than, less than and equals signs $>$, $<$, $=$

Year 3 (Green)

Bronze Level - Each child to be able to recite their 4, 8, 50 and 100 times tables in order

Silver Level - Each child to be able to recite their 4, 8, 50 and 100 times tables in random order

Gold Level - Each child to be able to calculate 10 or 100 more than and less than a given number

Year 4 (Purple)

Bronze Level - Each child to be able to recite their 6, 7, 9 and 25 times tables in order

Silver Level - Each child to be able to recite their 6, 7, 9 and 25 times tables in random order

Gold Level - 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 10,100,1000,10000,1000000,10000000

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.

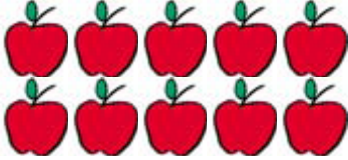







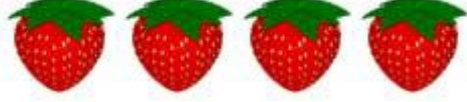

Silver Level - Each child can convert between words and figures and understand place value up to 10, 000, 000

Gold Level - Each child can solve simple algebraic equations using BIDMAS.

Class expectations

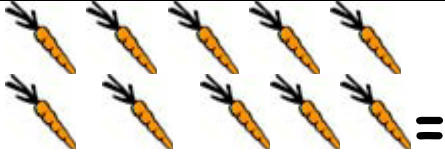
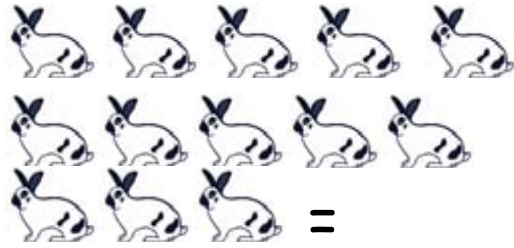
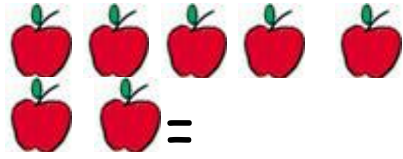

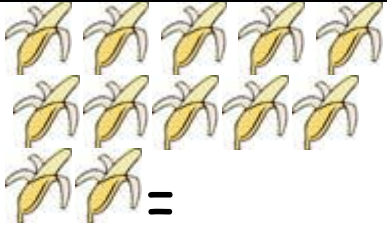

- Children to be tested regularly either by teacher or TA
- Once a child has completed a level they take their sheet to the office for a certificate
- Recommended that each child aims for one times table certificate a term

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:




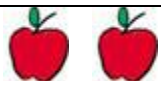

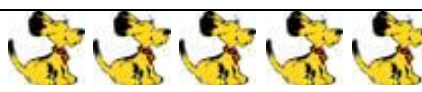
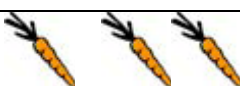
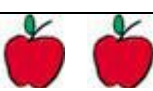
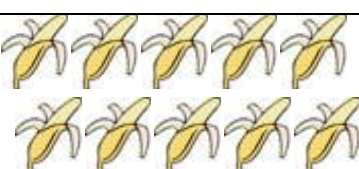

Red (Silver)

Question	Sum	Answer
1		
2		
3		
4		
5		
6		

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:

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

Yellow Yr1 (Silver)

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

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

<u>Date completed:</u>	<u>Date completed:</u>
<u>Witnessed by:</u>	<u>Witnessed by:</u>

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	




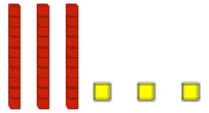

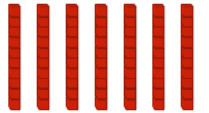


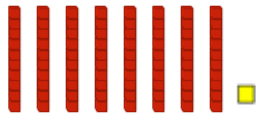
Pink Yr2 (Bronze)



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

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

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:
		Tens	Ones		
1		Tens	Ones		
2					
3					
4					
5					
6					
7					
8					
9					

10	 				
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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:

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

<u>Date completed:</u>	<u>Date completed:</u>
<u>Witnessed by:</u>	<u>Witnessed by:</u>

Green Yr3 (Silver)

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

The date I achieved this is:

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

<u>Date completed:</u>	<u>Date completed:</u>
<u>Witnessed by:</u>	<u>Witnessed by:</u>

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:

<u>6x table</u> 1x6=6 2x6=12 3x6=18 4x6=24 5x6=30 6x6=36 7x6=42 8x6=48 9x6=54 10x6=60 11x6=66 12x6=72	<u>7x table</u> 1x7=7 2x7=14 3x7=21 4x7=28 5x7=35 6x7=42 7x7=49 8x7=56 9x7=63 10x7=70 11x7=77 12x7=84
<u>Date completed:</u> <u>Witnessed by:</u>	<u>Date completed:</u> <u>Witnessed by:</u>

<p><u>9x table</u></p> <p>1x9=9 2x9=18 3x9=27 4x9=36 5x9=45 6x9=54 7x9=63 8x9=72 9x9=81 10x9=90 11x9=99 12x9=108</p>	<p><u>25x table</u></p> <p>1x25=25 2x25=50 3x25=75 4x25=100 5x25=125 6x25=150 7x25=175 8x25=200 9x25=225 10x25=250 11x25=275 12x25=300</p>
<p><u>Date completed:</u></p> <p><u>Witnessed by:</u></p>	<p><u>Date completed:</u></p> <p><u>Witnessed by:</u></p>

Purple Yr4 (Silver)

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

The date I achieved this is:

<p><u>6x table</u></p> <p>1x6=6 4x6=24 5x6=30 2x6=12 3x6=18 6x6=36 7x6=42 8x6=48 11x6=66 12x6=72 9x6=54 10x6=60</p>	<p><u>7x table</u></p> <p>1x7=7 5x7=35 11x7=77 2x7=14 4x7=28 6x7=42 7x7=49 9x7=63 3x7=21 8x7=56 10x7=70 12x7=84</p>
<p><u>Date completed:</u></p> <p><u>Witnessed by:</u></p>	<p><u>Date completed:</u></p> <p><u>Witnessed by:</u></p>

<p><u>9x table</u></p> <p>1x9=9 11x9=99 2x9=18 4x9=36 6x9=54 7x9=63 8x9=72 10x9=90 12x9=108 5x9=45 9x9=81 3x9=27</p>	<p><u>25x table</u></p> <p>3x25=75 6x25=150 9x25=225 1x25=25 2x25=50 4x25=100 5x25=125 11x25=275 7x25=175 8x25=200 12x25=300 10x25=250</p>
<p><u>Date completed:</u></p> <p><u>Witnessed by:</u></p>	<p><u>Date completed:</u></p> <p><u>Witnessed by:</u></p>

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=1	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	$6 \times 4 = 24$	41	$3 \times 5 = 15$
17	$5 \times 8 = 40$	42	$9 \times 2 = 18$
18	$3 \times 10 = 30$	43	$2 \times 4 = 8$
19	$9 \times 5 = 45$	44	$8 \times 6 = 48$
20	$5 \times 1 = 5$	45	$9 \times 7 = 63$
21	$4 \times 3 = 12$	46	$5 \times 9 = 45$
22	$7 \times 9 = 63$	47	$10 \times 2 = 20$
23	$8 \times 0 = 0$	48	$6 \times 25 = 150$
24	$7 \times 2 = 14$	49	$8 \times 9 = 72$
25	$6 \times 3 = 18$	50	$7 \times 4 = 28$

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	$4 \times 50 = 200$	26	48 divided by 6 is 8
2	$0.3 \times 9 = 2.7$	27	$0.9 \times 6 = 5.4$
3	$6 \times 100 = 600$	28	$6 \times 50 = 300$
4	$0.7 \times 6 = 4.2$	29	Double 9 is 18
5	$7 \times 20 = 140$	30	$9 \times 300 = 2700$
6	$3 \times 300 = 900$	31	$? \times 3 = 24$
7	$0.5 \times 4 = 2$	32	$4 \times 70 = 280$
8	$5 \times 700 = 3500$	33	Is 4x4 a square number? (y)
9	$6 \times 8 = 48$	34	$0.1 \times 1 = 0.1$
10	40 divided by 5=8	35	42 divided by 7 is 6
11	The product of 10 and 5 is 50	36	$9 \times ? = 63$
12	$7 \times 0.1 = 0.7$	37	$50 \times 50 = 2500$
13	$5 \times 60 = 300$	38	72 divided by 8 is 9
14	$10 \times 8 = 80$	39	The product of 10 and 7 is 70
15	21 divided by 7 is 3	40	$? \times 8 = 64$

16	The product of 7 and 4 is 28	41	Is 2×7 a square number?(n)
17	$4 \times ? = 40$	42	$0.4 \times 8 = 3.2$
18	Double 6 is 12	43	$7 \times 5 = 35$
19	Is 2×2 a square number? (y)	44	$0.03 \times 6 = 0.18$
20	$8 \times ? = 56$	45	Double 8 is 16
21	54 divided by 9 is 6	46	$0.05 \times 8 = 0.4$
22	$4 \times 90 = 360$	47	72 divided by 8 is 9
23	$0.7 \times 7 = 4.9$	48	$7 \times 8 = 56$
24	$9 \times 400 = 3600$	49	$? \times 5 = 25$
25	The product of 9 and 5 is 45	50	$900 \times 90 = 81000$

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 BODMAS.

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	$2x - 3 = \frac{1}{2}$		