GOLD+ CHALLENGE BOOK

NAME:……

CLASS:……

Times Tables

Practise all of your times tables out of order. You need to be able to answer these quickly without using your fingers. You will be asked 10 randomly. Here are some to practise with:

Practise 1	Practise 2	Practise 3	Practise 4	Practise 5	Practise 6	Practise 7
8x3=	6x4=	7x9=	8x5=	9x3=	3x3=	6x8=
7x7=	6x6=	5x5=	4x4=	9x9=	8x8=	12x3=
4x5=	5x6=	6x7=	7x8=	8x9=	10x8=	11x4=
12x8=	5x9=	7x2=	3x4=	4x8=	6x1=	2x0=
11x7=	7x2=	12x12=	8x6=	8x7=	12x2=	3x6=
5x6=	8x3=	2x10=	9x6=	9x7=	10x10=	5x8=
9x7=	9x7=	11x11=	10x7=	6x1=	9x10=	8x4=
8x2=	5x2=	12x7=	12x12=	9x12=	3x2=	8x12=

Division Facts

Practise all of your division facts out of order. You need to be able to answer these quickly without using your fingers. You will be asked 10 randomly. Here are some to practise with:

Practise 1	Practise 2	Practise 3	Practise 4	Practise 5	Practise 6	Practise 7
30÷3=	15÷3=	10÷2=	10÷5=	90÷10=	60÷10=	77÷11=
28÷7=	24÷8=	63÷7=	54÷9=	28÷4=	48÷12=	36÷6=
40÷5=	42÷7=	48÷8=	70÷7=	18÷9=	12÷4=	36÷12=
64÷8=	30÷6=	24÷3=	56÷8=	84÷7=	45÷9=	16÷4=
77÷7=	144÷12=	54÷6=	30÷3=	88÷8=	14÷7=	27÷9=
30÷6=	24÷4=	84÷12=	66÷6=	9÷3=	96÷8=	49÷7=
35÷7=	21÷3=	28÷4=	108÷12=	72÷6=	15÷3=	72÷8=
16÷2=	72÷9=	81÷9=	44÷4=	120÷12=	12÷6=	21÷3=

Place Value

Practise adding one hundred, one thousand, ten thousand, a hundred thousand to any number. This needs to be practised by saying it out loud and writing it down. Below are some numbers you can practise with.

	Add 100	Add 1,000	Add 10,000	Add 100,000
7				
11				
28				
128				
325				
1654				
7438				
12,345				
645				

Counting in patterns

Practise counting forwards and backwards:

0.1, 0.2, 0.3, 04, 0.5, 0.6, 0.7, 0.8, 0.9, 1, 1.1, 1.2, 1.3, 1.4, 1.5

Practise 1	Practise 2	Practise 3	Practise 4	Practise 5	Practise 6	Practise 7	Practise 8

Rounding to the nearest 10,100,1000

Practise this by rounding the numbers below:

	Nearest 10	Nearest 100	Nearest 1000
2345			
2876			
4578			
6587			
8004			
4051			
12,456			
20,458			

Place Value

Identify the place value of each unit. Write it out below in words
E.g: 67= sixty seven, 6 tens and 7 ones.

84	
127	
254	
789	
1345	

Solving Related Multiplication questions				
20x2=	20x3=	20x4=	20x5=	20x6=
30x2=	30x3=	30x4=	30x5=	30x6=
40x2=	40x3=	40x4=	40x5=	40x6=
50x2=	50x3=	50x4=	50x5=	50x6=
60x2=	60x3=	60x4=	60x5=	60x6=
70x2=	70x3=	70x4=	70x5=	70x6=
80x2=	80x3=	80x4=	80x5=	80x6=
90x2=	90x3=	90x4=	90x5=	90x6=
20x7=	20x8=	20x9=	Out of Order:	
30x7=	30x8=	30x9=	60x3=	20x7=
40x7=	40x8=	40x9=	40x8=	30x5=
50x7=	50x8=	50x9=	70x5=	40x6=
60x7=	60x8=	60x9=	60x6=	20x5=
70x7=	70x8=	70x9=	70x7=	50x5=
80x7=	80x8=	80x9=	90x5=	10x6=
90x7=	90x8=	90x9=	70x2=	20x3=

Equivalent Fractions

Practise writing 3 equivalent fractions for each of these:

Practise 1	Practise 2	Practise 3	Practise 4
½			
¼			
¾			

Counting in patterns

Practise counting forwards and backwards in fractions:

Counting up in ½'s to 5		Counting up in ¼'s to 5	
Practise 1	Practise 2	Practise 3	Practise 4

Addition and Subtraction Facts Facts that you all should know without hesitation			
50+50=	25+25=	75+25=	35+15=
75-25=	50-25=	1000-500=	250+250=
Doubles			
10+10=	20+20=	30+30=	40+40=
60+60=	70+70=	80+80-=	90+90
15+15=	25+25=	35+35=	45+45=
55+55=	65+65=	75+75=	85+85=
Tick when you have practised once		Tick when you have practised twice	

Fractions of amount

Practise finding fractions of these amounts. You will be tested by being asked to find a fraction of amount at a fast pace.

$\frac{3}{4}$ of	$\frac{2}{3}$ of	$\frac{2}{7}$ of
12	12	14
20	3	7
28	30	21
32	15	35
40	6	28