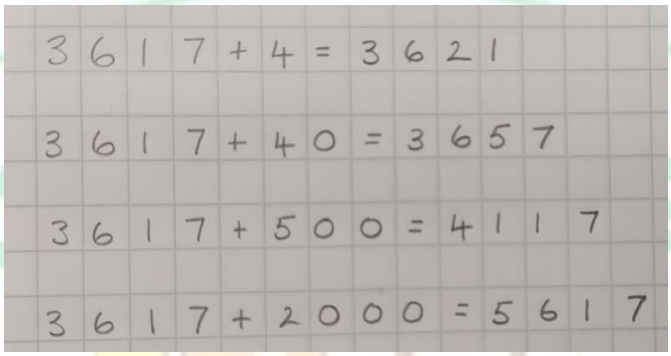
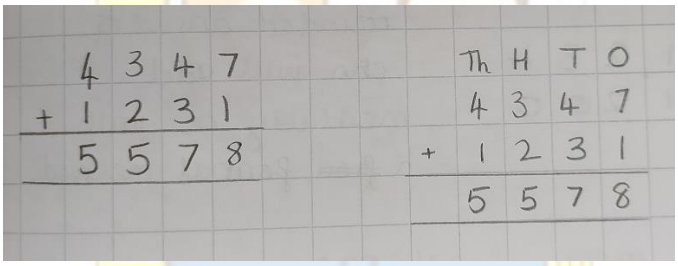
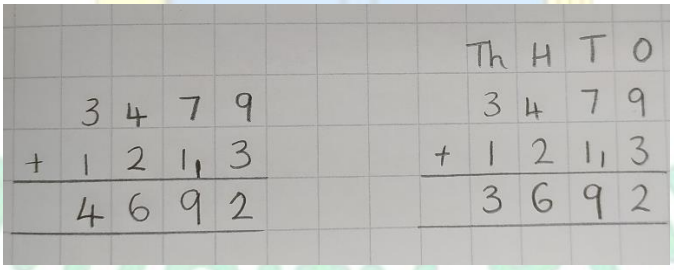
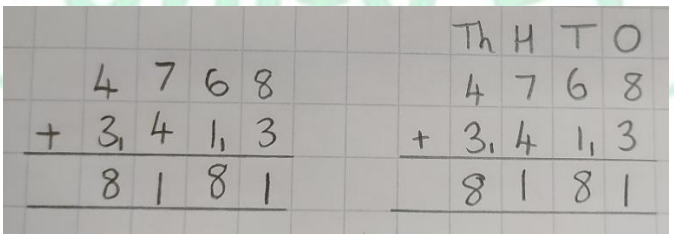
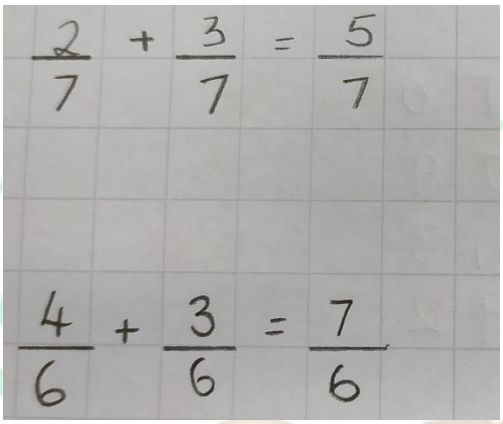
Year 4 Addition Progression Grid

Key vocabulary:
Plus, increase, sum, total, altogether, score, double, near double, column, equals, ones, tens, hundreds, thousands, carry, equals, tenths, hundredths

Mental skills:

- Estimate answers

Progressive Key Skills	Method	Manipulatives/ Resources
Add 1s, 10s, 100s and 1000s- any 4d number (mental)		
Add 2 4d numbers – no carrying		Number line and
Add 2 4d numbers – 1 carrying		Number line and counters
Add 2 4d numbers – more than one carry iver		Number line and counters
Count in fractions	Write the next two fractions in each sequence. a) $\frac{12}{7}, \frac{11}{7}, \frac{10}{7}, \_\_\_, \_\_\_$ b) $3\frac{1}{3}, 3, 2\frac{2}{3}, \_\_\_, \_\_\_$ c) $\frac{4}{11}, \frac{6}{11}, \frac{8}{11}, \_\_\_, \_\_\_$ d) $12\frac{3}{5}, 13\frac{1}{5}, 13\frac{4}{5}, \_\_\_, \_\_\_$	Hundred square, fraction wall

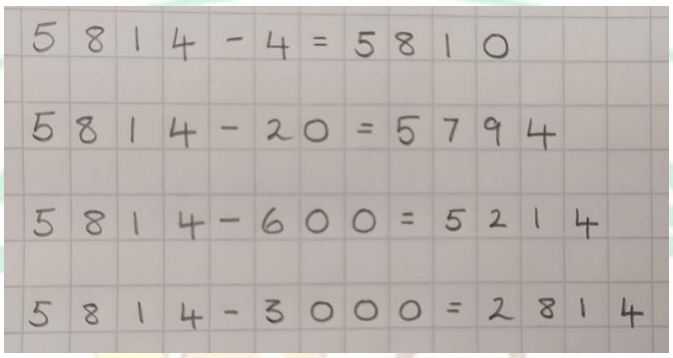
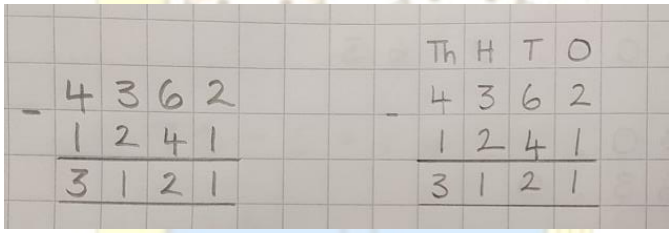
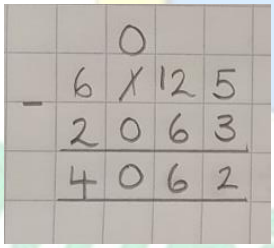
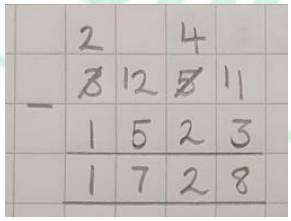
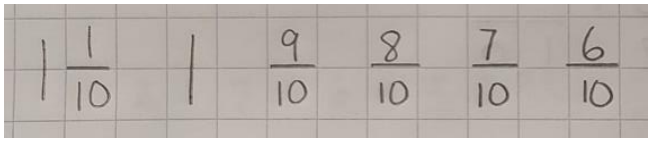
	Put the hundredths in order from smallest to largest and then continue the sequence. 1. $\frac{51}{100}$ $\frac{48}{100}$ $\frac{52}{100}$ $\frac{50}{100}$ $\frac{49}{100}$ ☐, ☐, ☐, ☐, ☐, _____, _____, _____ 2. $\frac{14}{100}$ $\frac{18}{100}$ $\frac{16}{100}$ $\frac{15}{100}$ $\frac{17}{100}$ ☐, ☐, ☐, ☐, ☐, _____, _____, _____	
Add two or more fractions with the same denominator. Answers more than one to be given as improper fractions.		

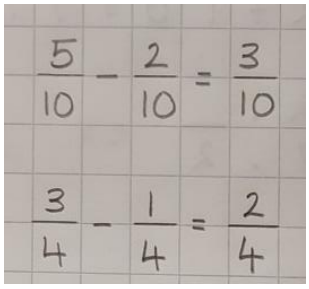
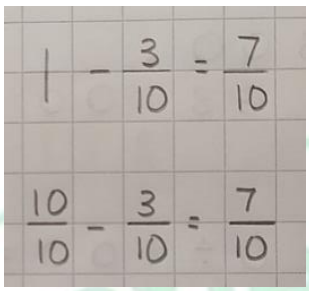
Year 4 Subtraction Progression Grid

Key vocabulary:
Minus, decrease, leave, how many are left/left over? difference between half halve how many more/fewer is… than…? is the same as, ones, tens, hundreds, thousands

Mental skills:

- Estimate

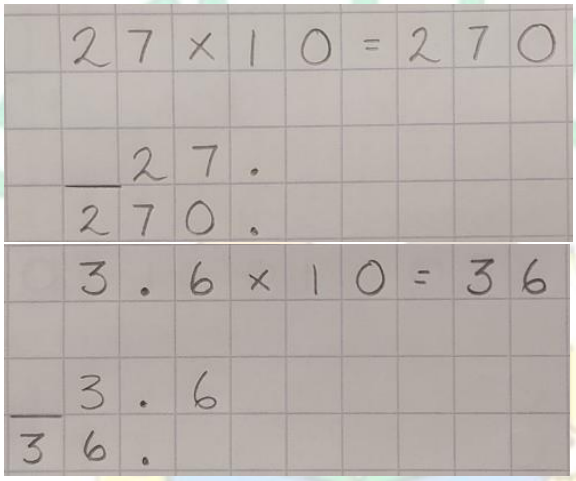
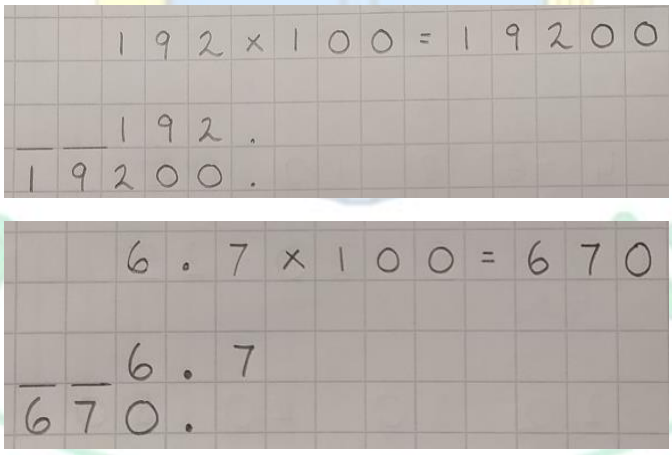
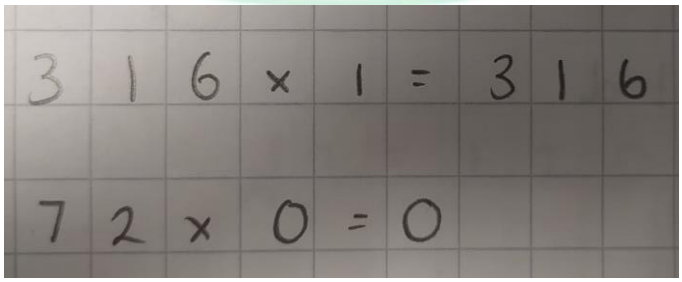
Progressive Key Skills	Method	Manipulatives/ Resources
Subtract 1s, 10s, 100s and 1000s- any 4d number (mental)		
Subtract 2 4d numbers – no borrowing		Number line and counters
Subtract 2 4d numbers – 1 borrow		Number line and counters
Subtract 2 4d numbers –more than one borrowing		Number line and counters
Counting in fractions		

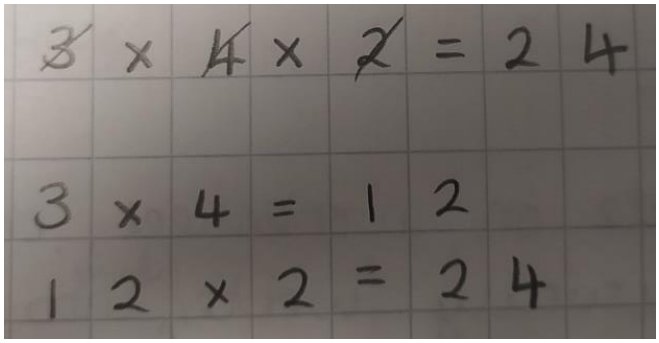
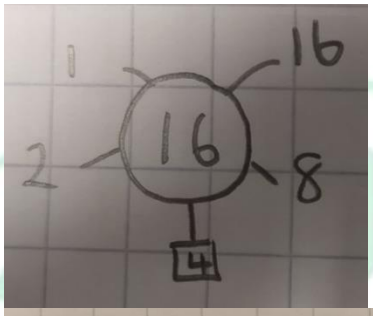
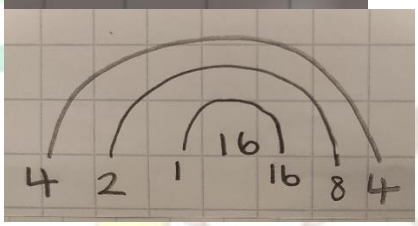
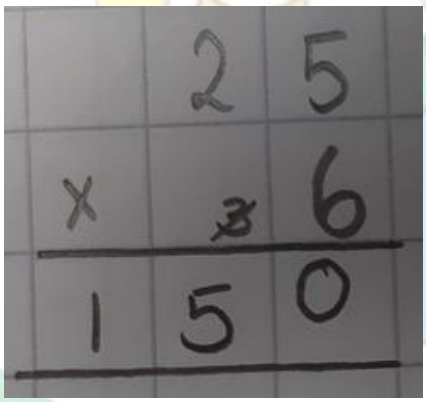
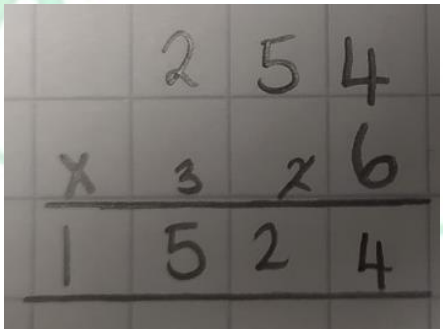
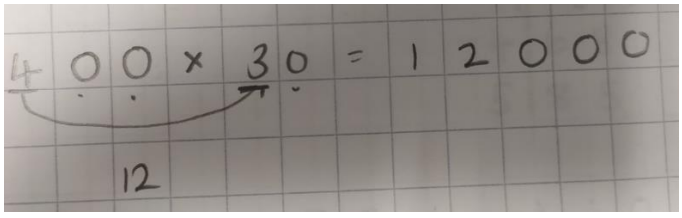
Subtract fractions with same denominator		Number line
Subtraction fractions from a whole number.		

Year 4 Multiplication Progression Grid

Key vocabulary:
lots of, groups of, multiplication, multiply, multiplied by, multiple of, product, once, twice, three times, four times, five times… ten times as (big, long, wide, and so on) repeated addition, double

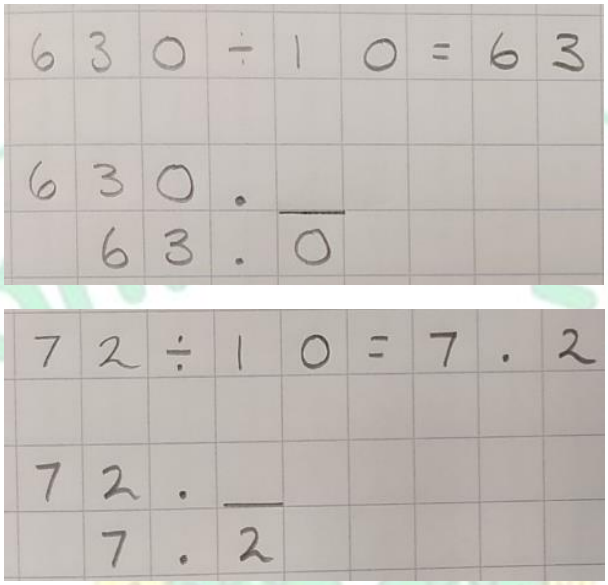
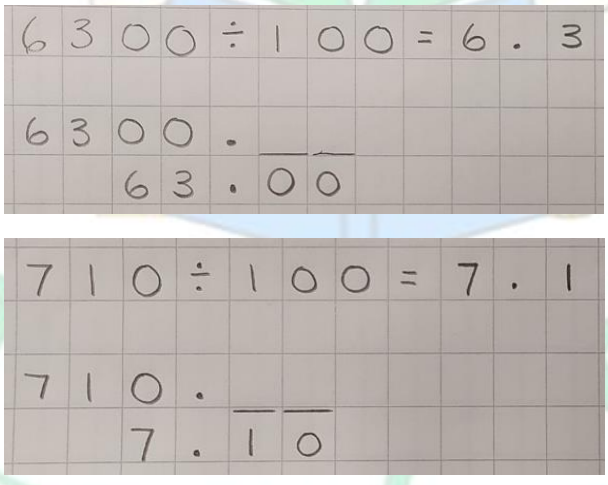
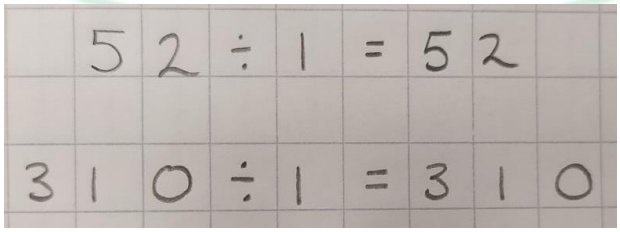
Mental skills:
- Times-tables knowledge of the following times-tables: 6, 7, 9, 11 and 12

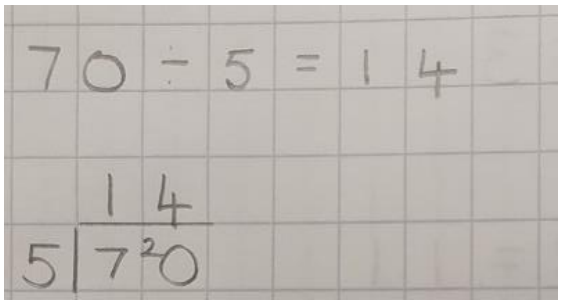
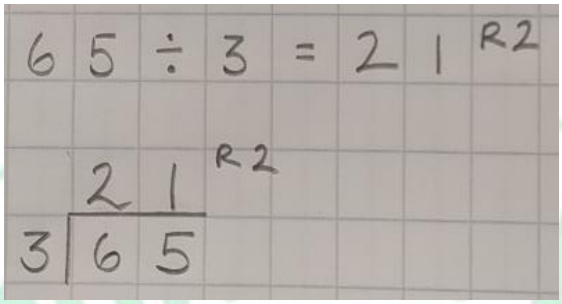
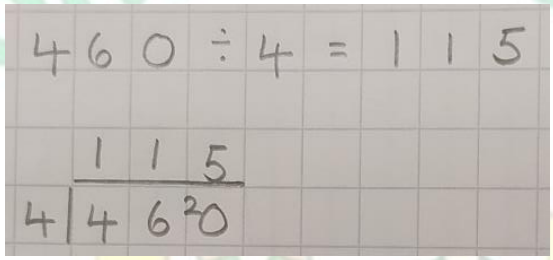
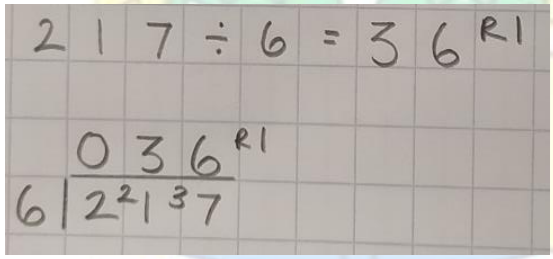
Progressive Key Skills	Method	Manipulatives/ Resources
Multiplying by 10		Place value chart
Multiplying by 100		Place value chart
Multiplying by 1 and 0		

Multiply 3 numbers		Organiser
Factor pairs	 	Organiser
Multiply 2d x 1d		Organiser Rulers
Multiply 3d x 1d		Organiser Rulers
Multiplying two multiples if 10 or 100. (Smile multiplication).		

Year 4 Division Progression Grid

Key vocabulary:
share equally, divide, division, divided by, divided into, divisible by, remainder, factor, quotient, inverse, ten times, hundred times smaller

Progressive Key Skills	Method	Manipulatives/ Resources
Divide by 10		Place value chart and whiteboards if going to the decimals
Divide by 100		Place value chart and whiteboards if going to the decimals
Divide by 1		

Divide 2d by 1d- equal groups no remainders		Organisers Counters
Divide 2d by 1d- with remainders		Organisers Counters
Divide 3d by 1d	 	Organisers Counters