Key Recall Facts Progression Map

Number bonds						
Reception	**Year 1**	**Year 2**	**Year 3**	**Year 4**	**Year 5**	**Year 6**
recall number bonds to 5 and some bonds to 10 subitise to 5.	recall all number bonds for 10 investigate and use bonds to 6, 7, 8 and 9 and create fact families for known bonds	learn all bonds to 20 using bonds to 10 and derive related subtraction facts use number bonds to 10 to find multiples of 10 that make 100. investigate number bonds to 100 using bonds known. add 3 single digit numbers using number bonds to 10 (3+4+7)	recall of bonds to 20 and related facts quickly. find number bonds to 100 for any integer and related subtraction facts. investigate how place value rules require us to use bonds to 9 when solving mental and written calculation strategies. use strategies to add 9 (e.g. +10 -1)	use all number bonds learned and apply them to larger numbers use knowledge of number bonds to 10 to add with tenths (0.7 + 0.2)	recall all decimals that total 1 and 10 (to 1 d.p) use all number bonds learned when working with large numbers and decimals.	recall all previous number bonds including decimals, applying to calculations

Number facts						
recall doubles to 5 say the number that is 1 more and one less than a given number to 10. compare groups up to 10, saying which is bigger/smaller/equal	recall doubles to 10 recall halves of numbers to 10 recall 1 more and 1 less than 2-digit numbers know +/- 0 leaves a number unchanged	learn doubles to 20 use known doubles to double tens eg double 2 is 4 so double 20 is 40 double 50 is 100 recall halves of numbers to 20	use doubles in mental calculations. double 15 is 30 double 25 is 50 double 500 is 1000 recall 10 or 100 more or less than given numbers	recall 1000 more or less than any number multiply and divide single digit numbers by 10 and 100 compare numbers beyond 1000	identify prime numbers up to 20 2, 3, 5, 7, 11, 13, 17, 19 count in steps of powers of 10 from any number up to 10 million round any integer to the nearest 10, 100, 1000, 10 000, 100 000 and	recall common equivalences between decimals, fractions and percentages identify prime numbers to 50 23, 27, 313, 37, 41, 43, 47

recognise odd and even numbers	count up to 100 forwards and back from any number count using ordinal numbers	recall 10 more or 10 less than any number to 100 add a 2-digit number to a multiple of 10 subtract a multiple of ten from a 2-digit number compare 2-digit numbers	add and subtract 3-digit numbers and a multiple of ten (236+30 = 246-30=) add and subtract 3 digit numbers and a single digit (342 +7= 265-6=) compare and order numbers to 1000 read roman numerals to 12	round numbers to the nearest 10, 100, 1000 round decimal numbers to the nearest whole. compare numbers with the same number of decimal places up to 2dp. read roman numerals to 100	decimals with 2 dp to the nearest whole or 1dp. read roman numerals to 1000 compare numbers up to 3 decimal places write percentages as a fraction with a denominator of 100 and as a decimal.	calculate using negative numbers convert improper fractions to mixed numbers and vice versa multiply and divide numbers by 10, 100 and 1000 giving answers up to 3 dp. round any number. cancel fractions to their simplest form.
Multiplication and division facts						
practice counting forwards and backwards in ones	count in steps of 2,5 and 10 forwards and backwards.	recall and use multiplication and related division facts for 2, 5, and 10 times tables. count accurately in steps of 3 relate 2 x table to counting in 20s recap x 0 and x 1 facts accurately	recall and use multiplication and division facts for 3, 4 and 8 times tables use 5 times table to calculate x 50 know that 4 x 25 = 100 and 8 x 25 = 200	recall and use multiplication and division facts for 6, 7, 9, 11 and 12 times tables multiply and divide a one or two-digit number by 10 or 100 multiply 3 single digit numbers	recall all multiplication and division facts to 12 x 12 use x table facts to multiply and divide decimals and larger numbers multiply and divide numbers (incl decimals) by 10, 100 and 1000 recognise square and cubed numbers and notation recall square numbers to 12 squared and their roots	identify common factor pairs of numbers identify common multiples and common factors

					find common factors of two numbers
					find all factor pairs for a number

<table>
<tr><td colspan="6" align="center">Measurement Facts</td></tr>
<tr>
<td>learn the days of the week in order</td>
<td>know the days of the week and months of the year and related seasons

recognise the values of all notes and coins.</td>
<td>know there are:
7 days in a week
12 months in a year
60 minutes in 1 hour and 24 hours in 1 day

know all available coin and note denominations and add coins to make different values.</td>
<td>know that there are 60 seconds in 1 minute, days in a month, 365 days in a year and 366 days in a leap year</td>
<td>convert km to m and hours to minutes

minutes to seconds
years to months
weeks to days</td>
<td>recall metric conversions

1kg = 1000g
1km = 1000m
1m = 100cm
1m = 1000mm
1 cm = 10mm
1 l = 1000ml

covert between these units</td>
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<tr><td colspan="6" align="center">Shape Facts</td></tr>
<tr>
<td></td>
<td>name cube, cuboids, pyramids and spheres

name squares, rectangles, triangles and circles.</td>
<td></td>
<td>identify horizontal and vertical lines and parallel and perpendicular lines.</td>
<td>identify acute or obtuse angles</td>
<td>know a whole turn is 360° , half a turn = 180° and a quarter of a turn is 90°

identify regular and irregular polygons.</td>
<td>calculate the radius given the diameter and the diameter given the radius.</td>
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