



Ravensfield Maths Curriculum Year 1

Number and Place Value

- Count to and across 100, forwards and backwards, beginning with 0 or 1, or from any given number
- Count, read and write numbers to 100 in numerals; count in multiples of twos, fives and tens
- Given a number, identify one more and one less
- Identify and represent numbers using objects and pictorial representations including the number line, and use the language of: equal to, more than, less than (fewer), most, least
- Read and write numbers from 1 to 20 in numerals and words.

Addition and subtraction

- Read, write and interpret mathematical statements involving addition (+), subtraction
- (–) and equals (=) signs
- Represent and use number bonds and related subtraction facts within 20
- Add and subtract one-digit and two-digit numbers to 20, including zero
- Solve one-step problems that involve addition and subtraction, using concrete objects and pictorial representations, and missing number problems such as $7 = \square - 9$.

Multiplication and division

- Solve one-step problems involving multiplication and division, by calculating the answer using concrete objects, pictorial representations and arrays with the support of the teacher.

Fractions

- Recognise, find and name a half as one of two equal parts of an object, shape or quantity
- Recognise, find and name a quarter as one of four equal parts of an object, shape or quantity.

Measures

- Compare, describe and solve practical problems for:
 - lengths and heights [for example, long/short, longer/shorter, tall/short, double/half]
 - mass/weight [for example, heavy/light, heavier than, lighter than]
 - capacity and volume [for example, full/empty, more than, less than, half, half full, quarter]
 - time [for example, quicker, slower, earlier, later]
- Measure and begin to record the following:
 - lengths and heights
 - mass/weight
 - capacity and volume
 - time (hours, minutes, seconds)
- Recognise and know the value of different denominations of coins and notes
- Sequence events in chronological order using language [for example, before and after, next, first, today, yesterday, tomorrow, morning, afternoon and evening]
- Recognise and use language relating to dates, including days of the week, weeks, months and years
- Tell the time to the hour and half past the hour and draw the hands on a clock face to show these times.

Geometry – Properties of shape

- Recognise and name common 2-D and 3-D shapes, including:
 - 2-D shapes [for example, rectangles (including squares), circles and triangles]
 - 3-D shapes [for example, cuboids (including cubes), pyramids and spheres].

Geometry – Position and direction

- Describe position, direction and movement, including whole, half, quarter and three-quarter turns.

Daily Skills Progression

(Number expectations from the new curriculum 2014)

EYFS

- Recognise numerals have some significance
- Order numbers to and above 10
- Count reliably with numbers to 20
- One more and one less
- Doubling and halving

Year 1

- Count to and across 100 from any given number in 1's
- Order 2 digit numbers to 100
- Identify 1 more or one less from any given number
- Identify 10 more or 10 less from any given number
- Count in 2s, 5s and 10s
- Count in odd and even numbers
- Compliments to 10 e.g 2+8
- Addition facts for any number within 10 (eg 2 +1, 5 + 4)
- Doubling and halving (from double 1 to double 10 and half of 2 to half 20)
- Recognise odd and even numbers to 20

Year 2

- Order 3 digit numbers to 1,000
- Count in steps of 2,3,5 from 0 and 10's from any given number forward and backwards.
- Number facts for numbers to 12
- Know what must be added to a 2 digit number to make the next multiple of 10 ($52 + ? = 60$).
- Know multiples of 2,5,10
- Compliments to 20 e.g 4+16
- Compliments to 100 in multiples of 10 e.g 3+7, 30+70
- Count in fractions of $\frac{1}{2}$ to 10
- Recognise odd and even numbers to 100
- Doubling and halving (from double 1 to double 20 and half of 2 to half 40)
- Time (o'clock, half past, quarter to and quarter past, 5 mins, hour more, hour less)

Year 3

- Count from 0 in multiples of 4,8,50 and 100
- Count 10 more or 10 less from any given number
- Count 100 more or less from any given number
- Know multiples of 2,3,4,5,8,10,50 and 100
- Compliments to 100. E.g 31+69
- Compliments to 1000 with multiples of 100 (eg 300 + 700)
- Read any unit or non unit fraction less than 1.
- Count in fractions of $\frac{1}{2}$, $\frac{1}{4}$ and $\frac{1}{10}$ from any number
- Know number facts for all numbers to 20
- Doubles of all numbers to 100 with ones digit 5 or less and know corresponding halves (eg double 43, half of 72, half of 44)
- Reinforce doubles and halves of all multiples of 10 and 100
- Recognise any odd or even number

Year 4

- Count in multiples of 6,7,9,25 and 1000
- Count backwards through zero to include negative numbers
- Round numbers to the nearest 10, 100, 1000
- Know all multiplication facts to 12x12
- Count up and down in $\frac{1}{5}$, $\frac{1}{100}$'s
- Know factor pairs for known multiplication facts.
- Pairs of fractions that total 1 (with the same denominator)
- Decimal compliments to 1 (1 dp, for example, 0.3 + 0.7)
- Fraction/decimal equivalents of one half, quarters, tenths and hundredths (eg $0.3 = \frac{3}{10}$, $\frac{3}{100} = 0.03$).
- Revise doubles of multiples of 10 and 100 and corresponding halves.
- Know what number must be added to any 3 digit number to make the next multiple of 10 0(eg, $345 + 55 = 400$)

Year 5

- Count forward and backwards with positive and negative numbers, including through zero.
- Count forward and backwards in steps of powers to 10 for any given number to 1,000,000
- Count prime numbers up to 19
- Know all multiplication and corresponding division facts to 12 x 12
- Square and cubed numbers
- Convert equivalent fractions to decimals and percentages
- Know decimal compliments to 1 (2 dp, e.g., 0.76 + 0.24)
- Know decimal compliments to 10 (1dp, e.g., 6.2 + 3.8)

- Know what must be added to any 4-digit number to make the next multiple of 1000 (e.g. $4678 + 322 = 5000$)
- Know what must be added to any 1d.p number to make the next whole number (e.g. $4.8 + 0.2 = 5$)
- Doubles and halves of 1.d.p decimals to 10 (e.g. double 3.4, half of 5.6).
- Know all square numbers to 12×12
- Know all prime numbers to 19.
- FDP equivalents of halves, quarters, tenths, hundredths, thirds and fifths (e.g. $1/5 = 2/10 = 0.2 = 20\%$)
- Factor pairs for numbers to 100.

Year 6

- Compliments to 1 in 1/100's e.g $0.81+0.19$
- Count forward and backwards with positive and negative numbers, including through zero.
- Count forward and backwards in steps of powers to 10 for any given number to 1,000,000
- Multiply and divide mentally any number drawing upon known facts
- Square and cubed numbers (to $10 \times 10 \times 10$)
- Prime numbers to 100
- Prime factors of numbers to 100
- Convert equivalent fractions to decimals and percentages
- Find percentages of amounts using tables knowledge
- FDP equivalents of halves, quarters, tenths, hundredths, thirds and fifths, sixths and eighths (ninths and elevenths if possible) (e.g. $1/5 = 2/10 = 0.2 = 20\%$)
- Doubles and halves of 2.d.p decimals to 100 (e.g. double 18.45, half of 6.48)
- Know decimal compliments for all whole numbers to 10 - 2.d.p (e.g. $7.26 + 0.74 = 8$)