

North Duffield Community Primary School
Progression of Maths Basic skills

Reception

Recognise and write correctly (no reversals) of digits 0-10
Order numbers from 0-20 in ascending and descending order
1 more of any number up to 10 (mentally)
1 less of any number up to 10 (mentally)
Double any number within 10
Half any number within 10
Practically find number bonds of individual numbers up to 10
Be confident with subitising numbers within 10

Year 1

Recognise and write correctly (no reversals) of digits 11-20
Number bonds to 5 mentally
Number bonds to 6 mentally
Number bonds to 7 mentally
Number bonds to 8 mentally
Number bonds to 9 mentally
Number bonds to 10 mentally
Number bonds to 20
Count forwards and backwards in multiples of 2 to 24
Count forwards and backwards in multiples of 5 to 60
Count forwards and backwards in multiples of 10 to 120
1 more than numbers up to 20 (mentally)
1 less than numbers up to 20 (mentally)
Double any number within 20
Half any number within 20
Name and order of days of the week
Name and order of months of the year
Tell the time to o'clock

Year 2

Number bonds to 10 and 20 mentally
Number bonds to 100 (multiples of 10)
1 more than numbers up to 100
1 less than numbers up to 100
10 more than numbers up to 100
10 less than numbers up to 100
Count forwards and backwards in multiples of 2, 5 and 10
Multiplication facts for 2 times table up to 2×12

Division facts for 2 times table up to $24 \div 2$
Multiplication facts for 5 times table up to 5×12
Division facts for 5 times table up to $60 \div 5$
Multiplication facts for 10 times table up to 10×12
Division facts for 10 times table up to $120 \div 10$
Strategies for adding 9 to any number up to 100
Strategies for subtracting 9 to any number up to 100
Name of months of the year
Double any number within 100
Half any number within 100
Tell the time to o'clock and half past
Know the names of all 2D shapes
Know the names of all 3D shapes
Year 3
Number bonds to 100 mentally (multiples of 10)
Number bonds to 1000 (multiples of 100)
10 more and less than any number up to 1000
100 more and less than any number up to 1000
Strategies for adding 90 to any number up to 1000
Strategies for subtracting 90 to any number up to 1000
Multiplication facts for 3 times table up to 3×12
Division facts for 3 times table up to $36 \div 3$
Multiplication facts for 4 times table up to 5×12
Division facts for 4 times table up to $48 \div 4$
Multiplication facts for 8 times table up to 8×12
Division facts for 8 times table up to $96 \div 8$
Double any number within 1000
Half any number within 1000
Know the number of days in each month
Know how many seconds in a minute
Know how many hours in a day
Know how many days in a year
Tell the time to o'clock, half past, quarter past and quarter to
Count up and down in tenths
Be able to write tenths in decimals and fractions
Know names of all 2D shapes and how many sides they have
Know names and number of faces in a 3D shapes
Convert between mm and cm and m and cm
Know number of degrees in a triangle and quadrilateral

Year 4

Number bonds to 1000 mentally (multiples of 100)

Number bonds to 10,000 (multiples of 1000)

Roman Numerals to 50

1000 more and less than any number up to 10,000

Double any number within 10,000

Half any number within 10,000

Strategies for adding 900 to any number up to 10,000

Strategies for subtracting 900 to any number up to 10,000

Round to the nearest 10, 100 and 1000 for any number up to 10,000

Multiply numbers by 10, 100 and 1000

Divide numbers by 10, 100 and 1000

Multiplication and division facts for 6 times table up to 6×12

Multiplication and division facts for 7 times table up to 7×12

Multiplication and division facts for 9 times table up to 9×12

Multiplication and division facts for 11 times table up to 11×12

Multiplication and division facts for 12 times table up to 12×12

Know the number of days in each month

Tell the time to 5 minute intervals

Count up and down in hundredths

Be able to write hundredths in decimals and fractions

Know names of all 2D shapes, how many sides they have and number of lines of symmetry

Know names and number of faces and vertices in 3D shapes

Convert between g and kg

Convert between ml and l

Know number of degrees in a full turn, half turn and quarter turn

Know number of degrees in a right angle, obtuse and acute angle

Year 5

Number bonds to any given number

Roman Numerals to 100

10,000 more and less than any number up to 100,000

Double any number within 100,000

Half any number within 100,000

Strategies for adding 9000 to any number up to 100,000

Strategies for subtracting 9000 to any number up to 100,000

Round to the nearest 10, 100, 1000 and 10,000 for any number up to 100,000

Multiply numbers by 10, 100 and 1000

Divide numbers by 10, 100 and 1000

Squared numbers up to 12^2

Prime numbers up to 19

Round decimals to the nearest whole number
Round decimals to 1DP
Multiplication and division facts for all multiplication tables
Convert between mixed numbers and improper fractions
Convert between different unit of measures
Convert between analogue and digital time
Tell the time to the nearest minute
Count up and down in thousandths
Be able to write thousandths in decimals and fractions
Know names of all 2D shapes, how many sides they have, number of lines of symmetry, number of parallel and perpendicular lines
Know names and number of faces, vertices and edges in 3D shapes
Identify 3D shapes and nets
Know number of degrees on a straight line
Know number of degrees around a point
Year 6
Number bonds to any given number
Roman Numerals to 1000
100,000 more and less than any number up to a million
Double any number up to a million
Half any number up to a million
Strategies for adding 90,000 to any number up to a million
Strategies for subtracting 90,000 to any number up to a million
Round any number to any degree of accuracy
Multiply and divide numbers by 10, 100 and 1000
Squared numbers up to 12^2
Prime numbers
Round decimals to 1DP and 2DP
Multiplication and division facts for all multiplication tables
Convert between mixed numbers and improper fractions
Convert between different unit of measures
Convert between analogue and digital
Tell the time to the nearest minute
Count up and down in thousandths
Be able to write thousandths in decimals and fractions
Know names of all 2D shapes, how many sides they have, number of lines of symmetry, number of parallel and perpendicular lines
Know names and number of faces, vertices and edges in 3D shapes
Identify 3D shapes and nets