Year 4

- count in 6s, 7s, 9s, 25s, 1000s and hundredths; count backwards through zero to include negative numbers
- read, write, compare, order and know place value of numbers to at least 10000 and numbers with the same number of decimal places up to two decimal place
- round any number to the nearest 10, 100 or 1000 and decimals with 1 decimal place to the nearest whole number
- add and subtract up to four-digit numbers mentally and using formal written columnar methods
- tables and division facts 12 x 12, including 0 and 1
- multiply three numbers
- multiply two and three-digit numbers by a one-digit number using formal written layout
- dividing a one or two-digit number by 10 and 100, identifying value of digits
- add and subtract fractions with the same denominator

- measure and calculate perimeter of rectilinear shapes in metres and centimetres
- find the area of rectilinear shapes by counting squares
- read, write and convert time between analogue and digital 12 and 24-hour clocks
- conversion between units of measure

- sorting and classifying quadrilateral and triangles
- identify lines of symmetry in 2-D shapes presented in different orientations
- identify acute and obtuse angles and compare and order angles up to two right angles by size
- description positions and translations (movement) within the first quadrant

- **solve number problems and practical problems involving these ideas**

To support your child at home, Year 4 fluency objectives have been broken down into terms.

Autumn

Know half of 100 is 50
So double 50 is 100

Know half of 300 is 150
So double 150 is 300

Know half of 500 is 250
So double 250 is 500

Know half of 700 is 350
So double 350 is 700

Know half of 900 is 450
So double 450 is 900

Double ANY two digit number e.g.
double 32 is 64 because
32 + 32 = 64
(30 + 30 + 2 + 2)
or 32 x 2 = 64
or twice 32 is 64

Spring

Know half of 1 is 0.5
So double 0.5 is 1

Know half of 3 is 1.5
So double 1.5 is 3

Know half of 5 is 2.5
So double 2.5 is 5

Know half of 7 is 3.5
So double 3.5 is 7

Know half of 9 is 4.5
So double 4.5 is 9

Halve ANY two digit number e.g.
half of 57 is 28.5 *because*
half of 50 is 25
half of 7 is 3.5
25 + 3.5 = 28.5

Recall corresponding doubles.
So if half of 57 is 28.5,
double 28.5 is 57

Summer

Multiply any 2 digit whole numbers by 10
e.g. 18 x 10 = 180 35 x 10 = 350
87 x 10 = 870

Multiply any 3 digit whole numbers by 10
e.g.180 x 10 = 1,800 350 x 10 = 3,500
870 x 10 = 8,700

Multiply any 2 digit whole numbers by 100
e.g. 18 x 100 = 1,800 35 x 100 = 3,500
87 x 100 = 8,700

Multiply any 3 digit whole numbers by 100
e.g. 180 x 100 = 18,000
350 x 100 = 35,000 870 x 100 = 87,000

Divide 2 and 3 digit whole numbers by 10 e.g.
180 ÷ 10 = 18 350 ÷ 10 = 35
870 ÷ 10 = 87
1,800 ÷ 10 = 180 3,500 ÷ 10 = 350
8,700 ÷ 10 = 870

Autumn

6 x 1 = 6
So: 1 x 6 = 6 6 ÷ 1 = 6 6 ÷ 6 = 1

6 x 7 = 42
So: 7 x 6 = 42 42 ÷ 7 = 6 42 ÷ 6 = 7

6 x 8 = 48
So: 8 x 6 = 48 48 ÷ 8 = 6 48 ÷ 6 = 8

Spring

7 x 11 = 77
So: 11 x 7 = 77 77 ÷ 11 = 7 77 ÷ 7 = 11

7 x 12 = 84
So: 12 x 7 = 84 84 ÷ 12 = 7 84 ÷ 7 = 12

9 x 11 = 99
So: 11 x 9 = 99 99 ÷ 11 = 9 99 ÷ 9 = 11

Summer

x8 facts by multiples of 10 e.g.
8 x 30 = 240 30 x 8 = 240
8 x 40 = 320 40 x 8 = 320
8 x 50 = 400 50 x 8 = 400
8 x 60 = 480 60 x 8 = 480

x6 facts by multiples of 10 e.g.
6 x 30 = 180 30 x 6 = 180
6 x 40 = 180 40 x 6 = 240
6 x 50 = 300 50 x 6 = 300
6 x 60 = 360 60 x 6 = 360