## MATHS Mental Objectives - Year 3

## KS1 SECURE BY END OF AUTUMN 1

Count to and across 100, forwards and backwards
Count in multiples of twos, fives and tens
Given a number, identify one more and one less
Use number bonds and related subtraction facts within 20
Find half of sets of objects
Find a quarter of sets of objects
Tell the time to the hour and half past the hour
Recognise and name common 2-D and 3-D shapes
Describe position, direction and movement, including whole, half, quarter and three quarter turns.
Count in steps of 2, 3, and 5 from 0, and in tens from any number, forward and backward

Recognise the place value of each digit in a two-digit number
Add and subtract numbers
Add nine to a number (add ten subtract one)
(use related facts 7 add $3=10,70$ add $30=100$ )

- a two-digit number and ones
- a two-digit number and tens
- two two-digit numbers
- adding three one-digit numbers

Know the 2,5 and 10 times tables
Count in steps oh one half and one quarter
Tell and write the time to five minutes

## SECURE BY END OF AUTUMN 2

Count from 0 in multiples of 4,8,50 and 100; find 10 or 100 more or less than a given number

Recognise the place value of each digit in a three-digit number (hundreds, tens, ones)

Add and subtract numbers mentally Add 19, 99, 199 etc

- a three-digit number and ones
- a three-digit number and tens
- a three-digit number and hundreds

Compliments to 100 (number line)
Divide 100 into 2,4,5 and 10 equal parts
Double and half numbers up to 3 digits (whole number answers)
Given a number find 10 more, ten less, 100 more, 100 less
Add and subtract: lengths ( $\mathrm{m} / \mathrm{cm} / \mathrm{mm}$ ); mass ( $\mathrm{kg} / \mathrm{g}$ ); volume/capacity ( $\mathrm{l} / \mathrm{ml}$ )

## MATHS Mental Objectives - Year 3

## SECURE BY END OF SPRING

Know the 2, 3, 4, 5, 8 and 10 times tables
Add and subtract amounts of money to give change, using both $£$ and $p$
Count up and down in tenths
Add and subtract fractions with the same denominator within one whole
Find fractions of a discrete set of objects: unit fractions and nonunit fractions with small denominators

## SECURE BY END OF SUMMER

Read time with increasing accuracy to the nearest minute
Know the number of seconds in a minute and the number of days in each month, year and leap year
Identify right angles, recognise that two right angles make a half-turn, three make three quarters of a turn and four a complete turn; identify whether angles are greater than or less than a right angle

