

Mental Objectives Year 1



FOCUS: NUMBERS TO 10 and 20

Year One Recall

- Number bonds within 10 including $a + b + c = d$, the effect of adding zero and missing number calculations
 - Reordering to find tens and some more e.g. $4 + 5 + 6 =$
 - Doubles within 10 including subtraction e.g. $6 - 3 = 3$ and missing numbers e.g. $6 - \square = 3$
 - Structured subitisation on tens frame to 20
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Autumn 1

Recognise numbers on a tens frame (structured subitisation) to 10

Number bonds within 10: Recall addition and subtraction facts

e.g. $a + b = c$ $c - b = a$ and missing numbers e.g. $6 - ? = 3$

Recall doubles of numbers to 5+5 including subtraction and missing numbers

e.g. $6 - 3 = 3$ $6 - ? = 3$

Reorder to find tens and some more e.g. $4 + 5 + 6 =$

Read and write numbers to 10 in digits and words

Count on and back in 1s from a one or two-digit number to 20

Autumn 2

Recognise numbers on a tens frame (structured subitisation) to 10

Number bonds within 10: Recall addition and subtraction facts for each number up to ten

Understand the effect of adding zero

e.g. $a + b = c$ $c - b = a$ and missing numbers e.g. $6 - ? = 3$

Also $a + b + c = d$ (still within 10)

Recall doubles of numbers to 5+5 including subtraction and missing numbers

e.g. $6 - 3 = 3$ $6 - ? = 3$

Reorder to find tens and some more e.g. $4 + 5 + 6 =$

Read and write numbers to 10 in digits and words

Count on and back in 1s from a one or two-digit number to 20

Count on and back in multiples of 2 to 20

Recall halves of even numbers to 20

Spring 1

Recognise numbers on a tens frame (structured subitisation) to 20

Number bonds within 10: Recall addition and subtraction facts for each number up to ten

Understand the effect of adding zero

e.g. $a + b = c$ $c - b = a$ and missing numbers e.g. $6 - ? = 3$

Also $a + b + c = d$ (still within 10)

Recall doubles and halves of numbers to 5+5 including subtraction and missing numbers

e.g. $6 - 3 = 3$ $6 - ? = 3$

Reorder to find tens and some more e.g. $4 + 5 + 6 =$

Read and write numbers to 20 in digits and words

Add a single digit number to 10 up to 20 e.g. $10 + 4 =$

Count on and back in 1s from any one or two-digit number to beyond 20

Count on and back in multiples of 2 and 10

Spring 2

Recognise numbers on a tens frame (structured subitisation) to 20

Number bonds within 10: Recall addition and subtraction facts for each number up to ten

Understand the effect of adding zero

e.g. $a + b = c$ $c - b = a$ and missing numbers e.g. $6 - ? = 3$

Also $a + b + c = d$ (still within 10)

Recall doubles and halves of numbers to 5+5 including subtraction and missing numbers

e.g. $6 - 3 = 3$ $6 - ? = 3$

Reorder to find tens and some more e.g. $4 + 5 + 6 =$

Read and write numbers to 20 in digits and words

Add a single digit number to 10 up to 20 e.g. $10 + 4 =$

Count on and back in 1s from any one or two-digit number to beyond 20

Count on and back in multiples of 2 and 10

Identify odd and even numbers linked to counting in twos from 0 and 1

Summer 1

Recognise numbers on a tens frame (structured subitisation) to 20

Number bonds within 10: Recall addition and subtraction facts for each number up to ten

Understand the effect of adding zero

e.g. $a + b = c$ $c - b = a$ and missing numbers e.g. $6 - ? = 3$

Also $a + b + c = d$ (still within 10)

Recall doubles and halves of numbers to 5+5 including subtraction and missing numbers

e.g. $6 - 3 = 3$ $6 - ? = 3$

Reorder to find tens and some more e.g. $4 + 5 + 6 =$

Read and write numbers to 20 in digits and words

Add a single digit number to 10 up to 20 e.g. $10 + 4 =$

Count on and back in 1s from any one or two-digit number to 100

Count on and back in multiples of 2, 10 and 5

Begin to recall multiplication facts for the 2, 5 and 10 times tables

Identify odd and even numbers linked to counting in twos from 0 and 1

Order a set of random numbers to 20

Identify simple fractions of shapes

Identify number patterns on number lines and hundred squares

Recognise and create repeating patterns with numbers

Summer 2

Recognise numbers on a tens frame (structured subitisation) to 20

Number bonds within 10: Recall addition and subtraction facts for each number up to ten

Understand the effect of adding zero

e.g. $a + b = c$ $c - b = a$ and missing numbers e.g. $6 - ? = 3$

Also $a + b + c = d$ (still within 10)

Recall doubles and halves of numbers to 5+5 including subtraction and missing numbers

e.g. $6 - 3 = 3$ $6 - ? = 3$

Reorder to find tens and some more e.g. $4 + 5 + 6 =$

Read and write numbers to 20 in digits and words

Add a single digit number to 10 up to 20 e.g. $10 + 4 =$

Count on and back in 1s from any one or two-digit number to 100

Count on and back in multiples of 2, 10 and 5

Begin to recall multiplication facts for the 2, 5 and 10 times tables

Identify odd and even numbers linked to counting in twos from 0 and 1

Order a set of random numbers to 20

Identify simple fractions of shapes

Identify number patterns on number lines and hundred squares

Recognise and create repeating patterns with numbers