Priors Hall – a learning community
Essential Number Skills

'

Ready for Learning, Ready for Life'

Curiosity

Kindness

Resilience

Respect

The skills introduced in previous years have a grey background.
New skills to be mastered by the end of each year have a white background.

EYFS Essential Number Skills

FACTS
say the days of the week in order
COUNTING
count forwards to 100 in unison with other children
count backwards from 20
know the next number for any number up to 12 e.g., eight, …….
match one-to-one in counting
match numbers to fingers e.g., hold up 7 fingers (without counting)
subitise numbers up to and including 6 e.g., do children recognise arrays, 6 dots on a dice without counting?
COMPARING NUMBERS
begin to compare numbers e.g, know that 6 is bigger than 4
compare the size of things using mathematical language e.g., Tom is taller than me
NUMBER BONDS
know the story of 6 (3+3, 2+4 1+5, 6+0), and the stories of 5 and of 4 and of 3……

Year 1 Essential Number Skills

FACTS
know there are 7 days in a week, say the days of the week in order
know there are 12 months in a year, say the months of the year in order
COUNTING
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
use the language of: equal to, more than, less than (fewer), most, least
identify and represent numbers using objects and pictorial representations including the number line
NUMBER BONDS
represent and use number bonds and related subtraction facts within 20
MENTAL CALCULATION
add and subtract one-digit and two-digit numbers to 20, including zero
read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs

Year 2 Essential Number Skills

FACTS
know there are 7 days in a week, say the days of the week in order
know there are 12 months in a year, say the months of the year in order
know how many days in each of the months of the year e.g, through rhyme “thirty days hath September, April, June and November”
know there are 60 seconds in 1 minute, 60 minutes in 1 hour
Know there are 24 hours in 1 day, know there are 52 weeks in 1 year
COUNTING
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
use the language of: equal to, more than, less than (fewer), most, least
identify and represent numbers using objects and pictorial representations including the number line
count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward
COMPARING NUMBERS
compare and order numbers from 0 up to 100; use <, > and = signs
READING AND WRITING NUMBERS
read and write numbers to at least 100 in numerals and in words
UNDERSTANDING PLACE VALUE
recognise the place value of each digit in a two-digit number (tens, ones)
NUMBER BONDS
represent and use number bonds and related subtraction facts within 20
recall and use addition and subtraction facts to 20 fluently
and derive and use related facts up to 100
MENTAL CALCULATION
add and subtract one-digit and two-digit numbers to 20, including zero
read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs
add and subtract numbers using concrete objects, pictorial representations, and mentally, including: * a two-digit number and ones * a two-digit number and tens * two two-digit numbers * adding three one-digit numbers
MULTIPLICATION AND DIVISION FACTS
recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognizing odd and even numbers

Year 3 Essential Number Skills

FACTS
know there are 7 days in a week, say the days of the week in order
know there are 12 months in a year, say the months of the year in order
know how many days in each of the months of the year e.g, through rhyme “thirty days hath September, April, June and November”
know there are 60 seconds in 1 minute, 60 minutes in 1 hour
Know there are 24 hours in 1 day, 52 weeks in 1 year, 365 days in 1 year
COUNTING
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
use the language of: equal to, more than, less than (fewer), most, least
identify and represent numbers using objects and pictorial representations including the number line
count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward
count from 0 in multiples of 4, 8, 50 and 100
find 10 or 100 more or less than a given number
COMPARING NUMBERS
compare and order numbers from 0 up to 100; use <, > and = signs
compare and order numbers up to 1 000
READING AND WRITING NUMBERS
read and write numbers to at least 100 in numerals and in words
read and write numbers up to 1 000 in numerals and in words
tell and write the time from an analogue clock, including 12-hour and 24-hour clocks
UNDERSTANDING PLACE VALUE
recognise the place value of each digit in a two-digit number (tens, ones)
recognise the place value of each digit in a three-digit number (hundreds, tens, ones)
NUMBER BONDS
represent and use number bonds and related subtraction facts within 20
recall and use addition and subtraction facts to 20 fluently
derive and use related facts up to 100
MENTAL CALCULATION
add and subtract one-digit and two-digit numbers to 20, including zero
read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs

add and subtract numbers using concrete objects, pictorial representations, and mentally, including: * a two-digit number and ones * a two-digit number and tens * two two-digit numbers * adding three one-digit numbers
add and subtract numbers mentally, including: * a three-digit number and ones * a three-digit number and tens * a three-digit number and hundreds
MULTIPLICATION AND DIVISION FACTS
recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers
recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables
write and calculate mathematical statements for multiplication and division using the multiplication tables that they know

Year 4 Essential Number Skills

FACTS
know there are 7 days in a week, say the days of the week in order
know there are 12 months in a year, say the months of the year in order
know how many days in each of the months of the year e.g, through rhyme “thirty days hath September, April, June and November”
know there are 60 seconds in 1 minute, 60 minutes in 1 hour
Know there are 24 hours in 1 day, 52 weeks in 1 year, 365 days in 1 year
COUNTING
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
use the language of: equal to, more than, less than (fewer), most, least
identify and represent numbers using objects and pictorial representations including the number line
count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward
count from 0 in multiples of 4, 8, 50 and 100
find 10 or 100 more or less than a given number
count backwards through zero to include negative numbers
count in multiples of 6, 7, 9, 25 and 1 000
find 1 000 more or less than a given number
COMPARING NUMBERS

compare and order numbers from 0 up to 100; use <, > and = signs
compare and order numbers up to 1 000
order and compare numbers beyond 1 000
READING AND WRITING NUMBERS
read and write numbers to at least 100 in numerals and in words
read and write numbers up to 1 000 in numerals and in words
tell and write the time from an analogue clock, including 12-hour and 24-hour clocks
read and write numbers up to 1 0000 in numerals and in words
UNDERSTANDING PLACE VALUE
recognise the place value of each digit in a two-digit number (tens, ones)
recognise the place value of each digit in a three-digit number (hundreds, tens, ones)
recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)
NUMBER BONDS
represent and use number bonds and related subtraction facts within 20
recall and use addition and subtraction facts to 20 fluently
derive and use related facts up to 100
MENTAL CALCULATION
add and subtract one-digit and two-digit numbers to 20, including zero
read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs
add and subtract numbers using concrete objects, pictorial representations, and mentally, including: * a two-digit number and ones * a two-digit number and tens * two two-digit numbers * adding three one-digit numbers
add and subtract numbers mentally, including: * a three-digit number and ones * a three-digit number and tens * a three-digit number and hundreds
MULTIPLICATION AND DIVISION FACTS
recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers
recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables
write and calculate mathematical statements for multiplication and division using the multiplication tables that they know
recall multiplication and division facts for multiplication tables up to 12 × 12
use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers

Year 5 Essential Number Skills

FACTS
know there are 7 days in a week, say the days of the week in order
know there are 12 months in a year, say the months of the year in order
know how many days in each of the months of the year e.g, through rhyme “thirty days hath September, April, June and November”
know there are 60 seconds in 1 minute, 60 minutes in 1 hour
Know there are 24 hours in 1 day, 52 weeks in 1 year, 365 days in 1 year
COUNTING
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
use the language of: equal to, more than, less than (fewer), most, least
identify and represent numbers using objects and pictorial representations including the number line
count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward
count from 0 in multiples of 4, 8, 50 and 100
find 10 or 100 more or less than a given number
count backwards through zero to include negative numbers
count in multiples of 6, 7, 9, 25 and 1 000
find 1 000 more or less than a given number
interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero
count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000
COMPARING NUMBERS
compare and order numbers from 0 up to 100; use <, > and = signs
compare and order numbers up to 1 000
order and compare numbers beyond 1 000
order and compare numbers to at least 1 000 000 and determine the value of each digit

READING AND WRITING NUMBERS
read and write numbers to at least 100 in numerals and in words
read and write numbers up to 1 000 in numerals and in words
tell and write the time from an analogue clock, including 12-hour and 24-hour clocks
read and write numbers up to 1 0000 in numerals and in words
read, write numbers to at least 1 000 000 and determine the value of each digit
UNDERSTANDING PLACE VALUE
recognise the place value of each digit in a two-digit number (tens, ones)
recognise the place value of each digit in a three-digit number (hundreds, tens, ones)
recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)
NUMBER BONDS
represent and use number bonds and related subtraction facts within 20
recall and use addition and subtraction facts to 20 fluently
derive and use related facts up to 100
MENTAL CALCULATION
add and subtract one-digit and two-digit numbers to 20, including zero
read, write and interpret mathematical statements involving addition (+), subtraction (-) and equals (=) signs
add and subtract numbers using concrete objects, pictorial representations, and mentally, including: * a two-digit number and ones * a two-digit number and tens * two two-digit numbers * adding three one-digit numbers
add and subtract numbers mentally, including: * a three-digit number and ones * a three-digit number and tens * a three-digit number and hundreds *
add and subtract numbers mentally with increasingly large numbers
ROUNDING
round any number up to 1 000 000 to the nearest 10, 100, 1 000, 10 000 and 100 000
MULTIPLICATION AND DIVISION FACTS
recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers

recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables
write and calculate mathematical statements for multiplication and division using the multiplication tables that they know
recall multiplication and division facts for multiplication tables up to 12 × 12
use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers

Year 6 Essential Number Skills

FACTS
know there are 7 days in a week, say the days of the week in order
know there are 12 months in a year, say the months of the year in order
know how many days in each of the months of the year e.g, through rhyme “thirty days hath September, April, June and November”
know there are 60 seconds in 1 minute, 60 minutes in 1 hour
Know there are 24 hours in 1 day, 52 weeks in 1 year, 365 days in 1 year
COUNTING
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
use the language of: equal to, more than, less than (fewer), most, least
identify and represent numbers using objects and pictorial representations including the number line
count in steps of 2, 3, and 5 from 0, and in tens from any number, forward or backward
count from 0 in multiples of 4, 8, 50 and 100
find 10 or 100 more or less than a given number
count backwards through zero to include negative numbers
count in multiples of 6, 7, 9, 25 and 1 000
find 1 000 more or less than a given number
interpret negative numbers in context, count forwards and backwards with positive and negative whole numbers, including through zero
count forwards or backwards in steps of powers of 10 for any given number up to 1 000 000

use negative numbers in context, and calculate intervals across zero
COMPARING NUMBERS
compare and order numbers from 0 up to 100; use <, > and = signs
compare and order numbers up to 1 000
order and compare numbers beyond 1 000
order and compare numbers to at least 1 000 000 and determine the value of each digit
order and compare numbers up to 10 000 000 and determine the value of each digit
READING AND WRITING NUMBERS
read and write numbers to at least 100 in numerals and in words
read and write numbers up to 1 000 in numerals and in words
tell and write the time from an analogue clock, including 12-hour and 24-hour clocks
read and write numbers up to 1 0000 in numerals and in words
read, write numbers to at least 1 000 000 and determine the value of each digit
read, write numbers up to 10 000 000 and determine the value of each digit
perform mental calculations, including with mixed operations and large numbers
UNDERSTANDING PLACE VALUE
recognise the place value of each digit in a two-digit number (tens, ones)
recognise the place value of each digit in a three-digit number (hundreds, tens, ones)
recognise the place value of each digit in a four-digit number (thousands, hundreds, tens, and ones)
NUMBER BONDS
represent and use number bonds and related subtraction facts within 20
recall and use addition and subtraction facts to 20 fluently
derive and use related facts up to 100
ROUNDING
round any number up to 1 000 000 to the nearest 10, 100, 1 000, 10 000 and 100 000
round any whole number to a required degree of accuracy
MULTIPLICATION AND DIVISION FACTS
recall and use multiplication and division facts for the 2, 5 and 10 multiplication tables, including recognising odd and even numbers
recall and use multiplication and division facts for the 3, 4 and 8 multiplication tables

write and calculate mathematical statements for multiplication and division using the multiplication tables that they know
recall multiplication and division facts for multiplication tables up to 12 × 12
use place value, known and derived facts to multiply and divide mentally, including: multiplying by 0 and 1; dividing by 1; multiplying together three numbers
perform mental calculations, including with mixed operations and large numbers