Numbers

1 Comprehension of cardinal numbers.

1.1 Identify numbers from 100 000 to 999 999
1.2 Read and write numbers from 100 000 to 999 999
1.3 Order numbers from 0 to 999 999.
1.4 Determine the number of hundred-thousands, ten-thousands, thousands, hundreds, tens and ones in a six digit number.
1.5 Write two to six digit numbers in expanded form.
1.6 Compare up to six digit numbers using > or <.

2 Types of numbers.

2.1 Identify whole numbers.
2.2 Identify odd and even numbers.
2.3 Identify prime numbers up to 30.

3 Other numerals.

3.1 Identify, read and write numerals in Arabic script to represent numbers.
3.2 Identify, read and write Roman numerals up to 30.
Addition

1 Comprehension of addition.

1.1 Add 2-3 four digit numbers.
1.2 Add 2-5 one to two digit numbers.

2 Mental addition.

2.1 Add five 1-digit numbers mentally with sums up to 45.

3 Application of addition.

3.1 Solve one to two step word problems involving addition of 2-4 digit numbers.

Subtraction

1 Comprehension of subtraction.

1.1 Subtract 2-4 digit numbers for minuends up to 9,999.
1.2 Solve operations involving addition and subtraction of 2-5 digit numbers.

2 Mental subtraction.

2.1 Subtract mentally 1-2 digit numbers with minuends up to 30.

3 Application of subtraction.

3.1 Solve one to two step word problems involving subtraction of 2-4 digit numbers.
3.2 Solve one to two step word problems involving addition and subtraction of 2-4 digit numbers.
Multiplication

1. **Comprehension of multiplication.**

   1.1 Multiply 2-4 digit numbers by 1-digit numbers.
   1.2 Multiply 2-4 digit numbers by 2-digit numbers.

2. **Comprehension of multiples.**

   2.1 Give the multiples of 1-2 digit numbers.
   2.2 Find the lowest common multiple of two 1-2 digit numbers.

3. **Mental multiplication.**

   3.1 Multiply mentally, numbers whose product is not greater than 90.

4. **Application of multiplication.**

   4.1 Solve one step word problems involving multiplication of whole numbers, including money.
Division

1 Comprehension of division.

1.1 Divide 4-digit numbers by 1-digit numbers.
1.2 Divide 3-4 digit numbers by 2-digit numbers, where the divisors are up to 25.

2 Comprehension of factors.

2.1 Give the factors of numbers up to 30.
2.2 Find the prime factorization of 1-2 digit numbers.

3 Divisibility rules.

3.1 Use the divisibility rules of 2, 3 and 5 in dividing.

4 Mental division.

4.1 Divide mentally, whole numbers with dividends through 81, by 1-digit divisors without remainders.

5 Application of division.

5.1 Solve one step word problems involving division of whole numbers, including money.
Decimals

1. Comprehension of decimal numbers.
   1.1 Read and interpret decimal numbers up to 2 decimal places.
   1.2 Arrange decimal numbers in order.
   1.3 Compare decimal numbers using $>$ or $<$.

2. Operation of decimal numbers.
   2.1 Addition of decimal numbers up to 2 decimal places including money.
   2.2 Subtraction of decimal numbers up to 2 decimal places including money.
   2.3 Multiplication of decimal numbers up to 2 decimal places by 1-digit whole numbers, including money.

3. Application of decimal numbers.
   3.1 Solve one to two step word problems involving addition and subtraction of decimal numbers (including money).
   3.2 Solve one step word problems involving multiplication of decimal numbers (including money).
Fractions

1 Comprehension of fractions.

1.1 Form fractions from given information.
1.2 Form equivalent fractions to a given fraction.
1.3 Reducing fractions to their lowest term.
1.4 Compare fractions with different denominators.
1.5 Convert improper fractions to mixed numbers.
1.6 Convert mixed numbers to improper fractions.

2 Addition and subtraction of fractions.

2.1 Carry out addition of two proper fractions (where the denominator is a 1-digit number) with different denominators.
2.2 Carry out subtraction of a proper fraction (where the denominator is a 1-digit number) and a whole number.
2.3 Carry out subtraction of proper fractions (where the denominator is a 1-digit number) with different denominators.

3 Multiplication and division of fractions.

3.1 Carry out multiplication of proper fraction and a whole number.
3.2 Carry out multiplication of two proper fractions.
3.3 Carry out division of a proper fraction and a whole number.
3.4 Carry out division of two proper fractions.

4 Application of fractions.

4.1 Solve word problems involving fractions.
Geometry

1 Comprehension of shapes.

1.1 Recognise and name different types of triangles and quadrilaterals.
1.2 Draw different types of quadrilaterals.

2 Comprehension of angles.

2.1 Name angles using three letters.
2.2 Recognise acute, obtuse and right angles.
2.3 Estimate and measure angles less than 180 in degrees.
2.4 Draw angles less than 180º using a protractor.

3 Geometric construction.

3.1 Bisect lines of given lengths.
3.2 Construct triangles when three sides are given.

Average

1 Comprehension of average.

1.1 Find the average of 2-5 two digit numbers.

2 Application of average.

2.1 Solve word problems involving averages of 2-5 two digit numbers.
Graph

1 Comprehension of graphs.

1.1 Read and interpret data presented in a line graph.
1.2 Construct line graphs using data given.

Perimeter

1 Comprehension of perimeter.

1.1 Find the perimeter of different shapes when the sides are given.
1.2 Find the perimeter of compound figures made up of rectangles and / or squares and / or triangles.

2 Application of perimeter.

2.1 Solve word problems involving perimeters of different shapes when the sides are given.
Area

1 Comprehension of area.

1.1 Use formula to calculate the area of rectangles, squares and triangles.
1.2 Find the area of compound figures made up of rectangles and / or squares and / or triangles.

2 Application of area.

2.1 Solve word problems involving areas of rectangles, squares and triangles.

Volume

1 Comprehension of volume.

1.1 Use formula to calculate the volume of cuboids and cubes.

2 Application of volume.

2.1 Solve word problems involving volume of cuboids and cubes.