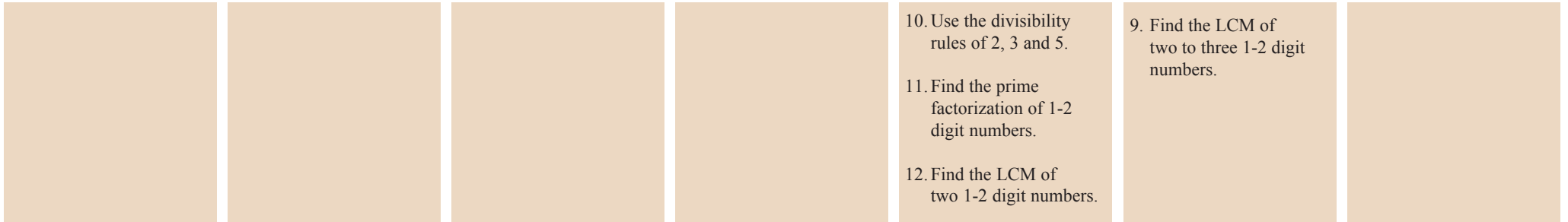


Numbers

GRADE 1	GRADE 2	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7
<ol style="list-style-type: none">1. Cardinal numbers from 0 to 99.2. Read the face value of Laari and Rufiyaa coins and notes up to Rf.50.3. Read and write ordinal numbers up to 10th in a given set.4. Write the symbols from 1st to 10th.	<ol style="list-style-type: none">1. Cardinal numbers from 100 through 999.2. Determine the place value of digits in a three digit number.3. Read the face value of Laari and Rufiyaa coins and notes upto Rf500.4. Read and write ordinal numbers upto 20th in a given set.5. Write the symbols from 1st to 20th.	<ol style="list-style-type: none">1. Cardinal numbers from 1000 through 9999.2. Determine the place value of digits in a four digit number.3. Read and write Rufiyaa and Laari in "decmal notation".4. Convert Laari less than 999 into Rufiyaa.(Know that Rf. 1 = 100 L.)5. Describe the pattern of naming ordinal numbers.	<ol style="list-style-type: none">1. Cardinal numbers from 10 000 to 99 999.2. Determine the place value of digits in a five digit number.3. Read and write Rufiyaa and Laari in "decimal notation".4. Convert Laari less than 9 999 into Rufiyaa.5. Give the multiples of 1-digit numbers.6. Find the LCM of two 1-digit numbers.	<ol style="list-style-type: none">1. Cardinal numbers from 100 000 to 999 999.2. Determine the place of digits in a six digit number.3. Identify, read and write numerals in Arabic script to represent numbers.4. Identify, read and write Roman numerals up to 30.5. Identify whole numbers.6. Identify odd and even numbers less than 100.7. Identify prime numbers up to 30.8. Give the multiples of 1-2 digit numbers.9. Give the factors of numbers up to 30.	<ol style="list-style-type: none">1. Cardinal numbers in millions.2. Determine the place value of digits in a seven digit number.3. Identify whole, even and odd numbers.4. Identify prime numbers up to 100.5. Give multiples of numbers.6. Give the factors of numbers up to 50.7. Use the divisibility rules of 2, 3, 4, 5, 6, 9 and 10.8. Find the prime factorization of 2-3 digit numbers.	<ol style="list-style-type: none">1. Solve operations involving combined operations of whole numbers.2. Use the divisibility rules of 2, 3, 4, 5, 6, 9 and 10.3. Find the prime factorization of whole numbers.4. Find the LCM of two to three 1-2 digit numbers.5. Find the HCF of two to three 1-2 digit numbers.6. Convert decimal numerals to binary numerals.7. Convert binary numerals to decimal numerals.



Addition

GRADE 1	GRADE 2	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7
<ol style="list-style-type: none">1. Join two sets of objects with sums up to 18.2. Add any two numbers with sums up to 18.3. Show that adding zero to any number does not change the value of the original number.4. Show the commutative property of addition.5. Mentally add any two numbers with sums up to 9.6. Solve one step word problems involving addition of any two numbers, including money, with sums up to 18.	<ol style="list-style-type: none">1. Add 1-2 digit numbers for sums up to 99, with and without renaming.2. Add mentally two 1 digit numbers with sums up to 18.3. Solve one step word problems involving 1-2 digit numbers, including money, with sums up to 99.	<ol style="list-style-type: none">1. Add 2-3 digit numbers for sums up to 999 with and without renaming.2. Carry out addition of Rufiyaa and Laari (sums not more than Rf. 9.99, with renaming).3. Add 2-5 one digit numbers in 1-4 steps.4. Add mentally two 1 digit numbers with sums up to 18.5. Solve one step word problems involving 2-3 digit numbers, with sums up to 999.6. Solve one step word problems in money with sums up to Rf. 9.99 with renaming.	<ol style="list-style-type: none">1. Add 2-4 digit numbers for sums up to 9 999 with and without renaming.2. Associate the term "sum" with addition.3. Carry out addition of Rufiyaa and Laari (sums not more than Rf. 99.99 with renaming).4. Add 2-6 two digit numbers in 1-5 steps.5. Add mentally two 1-digit numbers with sums up to 18.4. Solve one step word problems involving 2-4 digit numbers, with sums up to 9999.5. Solve one step word problems in money with sums up to Rf. 99.99 with renaming.	<ol style="list-style-type: none">1. Add 2-3 four digit numbers.2. Add 2-5 one to two digit numbers.3. Add five 1-digit numbers mentally with sums up to 45.4. Solve one to two step word problems involving addition of 2-4 digit numbers.	<ol style="list-style-type: none">1. Add whole numbers.2. Solve word problems involving basic operations of whole numbers.	<ol style="list-style-type: none">1. Add whole numbers.2. Solve word problems involving basic operations of whole numbers.

Subtraction

GRADE 1	GRADE 2	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7
<ol style="list-style-type: none">1. Remove a subset from a given set of objects.2. Subtract any one digit number from any number up to 18, without renaming.3. Show that subtracting zero from any number does not change the value of that number.4. Solve one step word problems involving subtraction of one digit whole numbers from any number up to 18, without renaming.	<ol style="list-style-type: none">1. Subtract 1-2 digit numbers for minuends upto 99, with and without renaming.2. Subtract mentally 1-digit numbers for minuends upto 9.3. Solve 1-step word problems involving subtraction of 1-2 digit numbers, including money, with sums upto 99.	<ol style="list-style-type: none">1. Subtract 2-3 digit numbers for minuends up to 999, with and without renaming.2. Carry out subtraction of Rufiyaa and Laari with renaming (minuends up to Rf.9.99)3. Subtract mentally one digit numbers for minuends up to 18.4. Solve one step word problems involving subtraction of 2-3 digit numbers with minuends up to 999.5. Solve one step word problems in money with minuends up to Rf. 9.99 with renaming.	<ol style="list-style-type: none">1. Subtract 2-4 digit numbers for minuends up to 9 999, with and without renaming.2. Carry out subtraction of Rufiyaa and Laari with renaming (minuends up to Rf.99.99).3. Associate the term "difference" with subtraction.4. Subtract mentally 1-digit numbers with minuends up to 18.5. Solve one step word problems involving subtraction of 2-4 digit numbers, with minuends up to 9 999.6. Solve one step word problems in money with minuends up to Rf. 99.99 with renaming.	<ol style="list-style-type: none">1. Subtract 2-4 digit numbers for minuends up to 9 999.2. Solve operations involving addition and subtraction of 2-5 digit numbers.3. Subtract mentally 1-2 digit numbers with minuends up to 30.4. Solve one to two step word problems involving subtraction of 2-4 digit numbers.5. Solve one to two step word problems involving addition and subtraction of 2-4 digit numbers.	<ol style="list-style-type: none">1. Subtract whole numbers.2. Solve word problems involving basic operations in whole number.	<ol style="list-style-type: none">1. Subtract whole numbers.2. Solve word problems involving basic operations in whole number.

Multiplication

GRADE 1	GRADE 2	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7
	<ol style="list-style-type: none">1. Relate multiplication to repeated addition.2. Multiply numbers whose product is not greater than 50 (multiplication tables of 2, 3, 4 and 5).3. Show the commutative property of multiplication.4. Multiply mentally, numbers whose product is not greater than 50.5. Solve one-step word problems involving multiplication of whole numbers, including money, with products upto 50.	<ol style="list-style-type: none">1. Relate multiplication to repeated addition.2. Multiply numbers whose product is not greater than 90 (multiplication tables of 6, 7, 8 and 9).3. Show the commutative property of multiplication.4. Multiply mentally, numbers whose product is not greater than 90.5. Solve one-step word problems involving multiplication of whole numbers, including money, with products up to 90.	<ol style="list-style-type: none">1. Multiply numbers by 0.2. Multiply 2-3 digit numbers by 1-digit numbers.3. Associate the term "product" with multiplication.4. Multiply mentally, numbers whose product is not greater than 90.5. Solve one step word problems involving multiplication of whole numbers, including money, with products up to 8991 (999×9).	<ol style="list-style-type: none">1. Multiply 2-4 digit numbers by 1-digit numbers.2. Multiply 2-4 digit numbers by 2-digit numbers.3. Multiply mentally, numbers whose product is not greater than 90.4. Solve one step word problems involving multiplication of whole numbers, including money.	<ol style="list-style-type: none">1. Multiply whole numbers.2. Solve word problems involving addition, subtraction, multiplication and division of whole numbers.	<ol style="list-style-type: none">1. Multiply whole numbers.2. Solve word problems involving addition, subtraction, multiplication and division of whole numbers.

Division

GRADE 1	GRADE 2	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7
	<ol style="list-style-type: none"> 1. Divide a set of objects into a given number of groups. 2. Transform multiplication sentences into division sentences. 3. Divide whole numbers, without remainders, by 1-digit divisors. The dividends should only be up to 45 (dividends 45, and quotients 9, e.g. $18 \div 2$, $21 \div 3$, $36 \div 4$, $45 \div 5$). 4. Solve one-step word problems involving division of whole numbers, including money. (Dividends upto 45). 	<ol style="list-style-type: none"> 1. Divide a set of objects into a given number of groups. 2. Transform multiplication sentences into division sentences. 3. Divide whole numbers, without remainders, by one digit divisors. The dividends should only be up to 81 (dividends ≤ 81, and quotients 9, e.g. $54 \div 6$, $63 \div 7$, $72 \div 8$, $81 \div 9$). 4. Divide mentally, whole numbers with dividends through 45, by one digit divisors without remainder. 5. Solve one step word problems involving division of whole numbers, including money (Dividends up to 81). 	<ol style="list-style-type: none"> 1. Divide 2-digit numbers by 1-digit numbers with or without renaming. 2. Divide 3-digit numbers by 1-digit numbers with or without renaming. 3. Associate terms "quotient" and "remainder" with division. 4. Divide mentally, whole numbers with dividends through 81, by 1-digit divisors without remainders. 5. Solve one step word problems involving division of whole numbers, including money (Dividends up to 999). 	<ol style="list-style-type: none"> 1. Divide 4-digit numbers by 1-digit numbers. 2. Divide 3-4 digit numbers by 2-digit numbers, where the divisors are up to 25. 3. Divide mentally, whole numbers with dividends through 81, by 1-digit divisors without remainders. 4. Solve one step word problems involving division of whole numbers, including money. 	<ol style="list-style-type: none"> 1. Divide whole numbers. 2. Solve word problems involving basic operations in whole number 	<ol style="list-style-type: none"> 1. Divide whole numbers. 2. Solve word problems involving basic operations in whole number

Fractions

GRADE 1	GRADE 2	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7
<ol style="list-style-type: none"> 1. Recognise one half or one quarter of a whole. 2. Show one half or one quarter of a whole. 	<ol style="list-style-type: none"> 1. Identify unit fractions upto $\frac{1}{6}$ 2. Name unit fractions upto $\frac{1}{6}$. 3. Identify and name a fraction of a whole upto 6 parts. 	<ol style="list-style-type: none"> 1. Identify unit fractions up to $\frac{1}{10}$ 2. Identify and name a fraction of a whole up to 10 parts. 3. Compare like fractions (fractions with the same denominators). 4. Form equivalent fractions to a given fraction up to $\frac{10}{10}$, using diagrams. 5. Carry out addition on like fractions using diagrams. 6. Carry out subtraction on like fractions using diagrams. 	<ol style="list-style-type: none"> 1. Identify the numerator and denominator of a fraction. 2. Form equivalent fractions to a given fraction (e.g. $\frac{5}{8}$). 3. Reduce fractions to its lowest term, where numerator and denominator is less than 25. 4. Compare $\frac{89}{21}$ fractions with different denominators using diagrams (denominator less than 10). 5. Convert improper fractions to mixed numbers (numerator < 25, denominator < 10, e.g. $\frac{24}{9}$). 	<ol style="list-style-type: none"> 1. Form fractions from given information. 2. Form an equivalent fraction to a given fraction (e.g. $\frac{4}{7} = \frac{32}{70}$). 3. Reducing fractions to their lowest term (numerator and denominator ≤ 60). 4. Compare proper fractions with different denominators (denominators less than 10). 5. Convert improper fractions to mixed numbers (numerator < 90, denominator < 10, e.g.). 6. Convert mixed numbers to improper fractions (where the whole number, numerator and denominator of the mixed number < 10). 	<ol style="list-style-type: none"> 1. Form fractions from given information. 2. Form equivalent fractions to a given fraction. 3. Reduce fractions to their lowest term. 4. Compare fractions with different denominators. 5. Convert improper fractions to mixed numbers and vice versa. 6. Carry out addition of two fractions (where the denominator is a 1-2 digit number) with different denominators. 7. Carry out subtraction of fractions (where the denominator is a 1-2 digit number) with different denominators. 8. Carry out multiplication of two fractions. 	<ol style="list-style-type: none"> 1. Form fractions from given information. 2. Form equivalent fractions to a given fraction. 3. Reduce fractions to their lowest term. 4. Compare fractions with different denominators. 5. Convert improper fractions to mixed numbers and vice versa. 6. Carry out addition and subtraction of 2-3 fractions (where the denominator is a 1-2 digit number) with different denominators. 7. Carry out multiplication and division of 2-3 fractions. 8. Carry out combined operations involving the four operations and the use of brackets.

6. Convert mixed numbers to improper fractions (in the resulting improper fraction, numerator < 25, denominator < 10, e.g. $2\frac{6}{9}$).

7. Carry out addition on fractions with same denominators (e.g. $\frac{11}{7} + \frac{6}{7}$).

8. Carry out subtraction on fractions with same denominators (e.g. $\frac{16}{11} - \frac{10}{11}$).

7. Carry out addition of two proper fractions (where the denominator is a 1-digit number) with different denominators.

8. Carry out subtraction of a proper fraction (where the denominator is a 1-digit number) and a whole number.

9. Carry out subtraction of proper fractions (where the denominator is a 1-digit number) with different denominators.

10. Carry out multiplication of proper fraction (where the denominator is a 1-digit number) and a whole number.

11. Carry out multiplication of two proper fractions (where the denominator is a 1-digit number).

12. Carry out division of a proper fraction (where the denominator is a 1-digit number) and a whole number less than 10.

13. Carry out division of two proper fractions (where the denominator is a 1-digit number).

14. Solve word problems involving fractions.

9. Carry out division of two fractions.

10. Solve word problems involving fractions.

9. Solve word problems involving fractions.

Decimals

GRADE 1	GRADE 2	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7
				<ol style="list-style-type: none">1. Read and interpret decimal numbers up to 2 decimal places.2. Arrange decimal numbers in order.3. Compare decimal numbers using $>$ or $<$.4. Addition and subtraction of decimal numbers up to 2 decimal places including money.5. Multiplication of decimal numbers up to 2 decimal places by 1-digit whole numbers, including money.6. Solve one to two step word problems involving addition and subtraction of decimal numbers (including money).	<ol style="list-style-type: none">1. Read and interpret decimal numbers up to 3 decimal places.2. Arrange decimal numbers in order.3. Compare decimal numbers using $>$ or $<$.4. Addition of 2-3 decimal numbers up to 3 decimal places.5. Subtraction of decimal numbers up to 3 decimal places.6. Solve operations involving addition and subtraction of decimal numbers up to 3 decimal places.7. Multiplication of decimal number by a decimal number (up to 3 decimal places).	<ol style="list-style-type: none">1. Read and interpret decimal numbers.2. Compare decimal numbers using $>$ or $<$.3. Round off whole numbers to the nearest tens, hundreds, thousands etc.4. Round off decimals to the nearest whole number and to the specified number of decimal places.5. Convert fractions to decimals and vice-versa.6. Addition and subtraction of decimal numbers.7. Solve operations involving addition and subtraction of decimal numbers.

				<p>7. Solve one step word problems involving multiplication of decimal numbers (including money).</p>	<p>8. Division of decimal numbers (up to 3 decimal places) by whole numbers (where dividend should be divisible by the divisor).</p> <p>9. Multiplication and division of decimals by 10, 100, 1000 etc.</p> <p>10. Solve word problems involving decimal numbers.</p>	<p>8. Multiplication of decimal number by a decimal number.</p> <p>9. Multiplication and division of decimals by 10, 100, 1000 etc.</p> <p>10. Division of decimal numbers by a decimal number.</p> <p>11. Solve word problems involving decimal numbers.</p>
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Measures

PRIMARY
MATHEMATICS
SYLLABUS

GRADE 1	GRADE 2	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7
<ol style="list-style-type: none">1. Measure lengths, mass, and capacity using non-standard units of measure.2. Compare lengths, mass capacity using non-standard units of measure.3. Tell the number of days in a week.4. Tell the number of months in a year.5. Tell the time to the hour using the twelve hour clock.	<ol style="list-style-type: none">1. Measure length, mass and capacity using non-standard units.2. Measure length in metres and centimetres.3. Measure mass in grams4. Measure capacity in litres.5. Estimate lengths of objects in metres and centimetres.6. Estimate the mass of objects in grams.7. Estimate capacity of containers and other items in litres.8. Tell the number of days in a month.9. Tell the time to the hour using the twelve hour clock.	<ol style="list-style-type: none">1. Measure lengths in metres and centimetres.2. Measure lengths in inches and feet.3. Convert metres into cm and centimetres into m and cm.4. Measure mass in kilograms using balances and scales.5. Estimate the mass of objects in kilograms.6. Determine the number of grams in one kilogram.7. Convert kilogram to g and grams to kg and g.8. Determine the number of millilitres in one litre.	<ol style="list-style-type: none">1. Measure lengths in centimetres and millimetres.2. Convert centimetres into mm and millimetres into cm.3. Measure lengths in kilometres (from a scaled drawing).4. Convert kilometres into m and metres into km and m.5. Convert kilograms into g and grams into kg and g.6. Convert litres into ml and millilitres into l and ml.7. Tell the time using the twelve hour clock.			<ol style="list-style-type: none">1. Express the units of length (km, m, cm, mm) in terms of larger or smaller quantities.2. Express the units of mass (t, kg, g) in terms of larger or smaller quantities.3. Express the units of capacity (l, ml or cm³) in terms of larger or smaller quantities.4. Express other units of length (miles, feet, inches) in terms of larger or smaller quantities.5. Express the units of time (s, min, hr) in terms of larger or smaller quantities.

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	<p>10. Tell the time to the half hour using the twelve hour clock.</p>	<p>9. Measure capacity in millilitres using standard and locally made, millilitres measures.</p> <p>10. Estimate the capacity of different containers in millilitres.</p> <p>11. Convert litres to millilitres and vice versa (exclude capacities greater than 9 litres).</p> <p>12. Determine the number of days in a year.</p> <p>13. Write the date of a particular day.</p> <p>14. Tell the time in minutes to the nearest five minutes using the twelve hour clock.</p>	<p>8. Tell the time using post-meridiem (p.m.) and ante-meridiem (a.m).</p> <p>9. Tell the time using a 24 hour clock.</p> <p>10. Conversion of p.m. and a.m. to 24 hour clock times and vice versa.</p> <p>11. Convert hours to minutes and minutes to seconds.</p>			
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GRADE 1	GRADE 2	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7
<ol style="list-style-type: none"> 1. Name squares, rectangles, triangles and circles. 2. Describe shapes according to their features. 3. Classify objects according to their shape, size or colour. 	<ol style="list-style-type: none"> 1. Recognise, name and draw squares, rectangles, triangles and circles. 2. Describe shapes according to their features. 3. Make different shapes and patterns using squares, rectangles, triangles and circles. 	<ol style="list-style-type: none"> 1. Recognise, name and draw squares, rectangles, triangles and circles and quadrilaterals. 2. Identify angles in the environment. 3. Identify the angles in squares, rectangles, quadrilaterals and triangles. 4. Say whether a given angle is greater or smaller than a right angle. 5. Draw straight lines of given lengths in centimetres. 	<ol style="list-style-type: none"> 1. Recognise and name different types of triangles (equilateral triangle, isosceles triangle, scalene triangle and right-angled triangle). 2. Recognise and name different types of quadrilaterals (square, rectangle, parallelogram, trapezium and rhombus). 3. Estimate and measure angles less than 180 in degrees. 4. Draw parallel lines using set-squares and compasses. 	<ol style="list-style-type: none"> 1. Recognise and name different types of triangles (equilateral triangle, isosceles triangle, scalene triangle and right-angled triangle) and quadrilaterals (square, rectangle, parallelogram, trapezium and rhombus). 2. Draw different types of quadrilaterals. 3. Name angles using three letters. 4. Recognise acute, obtuse and right angles. 5. Estimate and measure angles less than 180 in degrees. 6. Draw angles less than 180° using a protractor. 7. Bisect lines of given lengths in cm and mm. 8. Construct triangles when three sides are given. 	<ol style="list-style-type: none"> 1. Measure and draw angles less than 360° using a protractor. 2. Recognise acute, obtuse, reflex, right angles and straight angles. 3. Naming angles (e.g. $\angle ABC$, x). 4. Identify and name complementary angles, supplementary angles and angles at a point. 5. Find unknown angles involving a right angle, angles on a straight line, angles at a point (to find only one angle). 6. Bisect a given angle. 7. Construct 60°, 30°, 90°, 45° and 120°. 8. Draw quadrilaterals (square, rectangle, parallelogram, trapezium and rhombus) accurately. 	<ol style="list-style-type: none"> 1. Find unknown angles involving angles on a straight line and angles at a point. 2. Use the angle sum of the quadrilateral in finding the unknown angles of the quadrilaterals. 3. Use the angle sum of the triangle in finding the unknown angles of the triangles. 4. Identify base angles of an isosceles triangle. 5. Find the size of angles of an equilateral triangle. 6. Use the relationship between exterior angle of a triangle and the sum of the far interior angles of the triangle to find the unknown angles.

Perimeter

GRADE 1	GRADE 2	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7
		<ol style="list-style-type: none">1. Develop techniques for estimating and measuring the perimeters of different objects and shapes.2. Find the perimeter of certain objects and shapes in centimetres and metres.	<ol style="list-style-type: none">1. Find the perimeter of rectangles and squares in centimetres and metres.2. Find the perimeter of compound figures made up of rectangles and / or squares and / or triangles.3. Solve word problems involving perimeters of squares and rectangles.	<ol style="list-style-type: none">1. Find the perimeter of different shapes when the sides are given.2. Find the perimeter of compound figures made up of rectangles and / or squares and / or triangles.3. Solve word problems involving perimeters of different shapes when the sides are given.	<ol style="list-style-type: none">1. Find the perimeter of different shapes when the sides are given.2. Introduce the formulae for finding the perimeter of squares and rectangles.3. Find the perimeter of compound figures, where the dimension of some sides are not given (exclude giving semi circles).4. Find the circumference of circles, where the radius or diameter is given.	<ol style="list-style-type: none">1. Find the perimeter of different shapes when the sides are given.2. Find the circumference of circles, where the radius or diameter is given.3. Find the perimeter of semi circles and quarter circles.4. Find the perimeter of compound figures.5. Find the dimensions of rectangles, squares and circles given its perimeter and other dimensions.6. Solve word problems involving perimeter.

Area

GRADE 1	GRADE 2	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7
	<ol style="list-style-type: none">1. Develop techniques for estimating and measuring the area of irregular and regular shapes using non-standard units.2. Find the areas of figures made up of squares and half squares.	<ol style="list-style-type: none">1. Introduce a one-centimetre square as a unit of measure for area.2. Measure the area of shapes in square centimetres.3. Use the formula to calculate the area of rectangles.	<ol style="list-style-type: none">1. Use the formula to calculate the area of rectangles and squares.2. Find the area of compound figures made up of rectangles and squares.3. Solve word problems involving area of squares and rectangles.	<ol style="list-style-type: none">1. Use formula to calculate the area of rectangles, squares and triangles.2. Find the area of compound figures made up of rectangles and / or squares and / or triangles.3. Solve word problems involving areas of rectangles, squares and triangles.	<ol style="list-style-type: none">1. Use formula to calculate the area of rectangles, squares, triangles and circles.2. Find the area of compound figures made up of rectangles and/or squares and/or triangles.3. Find the area of shaded regions made up of rectangles and/or squares and/or triangles and/or circles.4. Solve word problems involving area of rectangles, squares, triangles and circles.	<ol style="list-style-type: none">1. Use formula to calculate the area of rectangles, squares, triangles, parallelograms, trapeziums and circles.2. Find the area of semi circles and quarter circles.3. Find the dimensions of rectangles, parallelograms, triangles and trapeziums given its area and other dimensions.4. Find the area of compound figures.5. Find the area of shaded regions.6. Solve word problems involving area.

Volume

GRADE 1	GRADE 2	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7
			<ol style="list-style-type: none">1. Introduce a one-centimetre cube as a unit of measure for volume.2. Measure the volume of solids in cubic centimeters.3. Use formula to calculate the volume of cuboids.	<ol style="list-style-type: none">1. Use formula to calculate the volume of cuboids and cubes.2. Solve word problems involving volume of cuboids and cubes.	<ol style="list-style-type: none">1. Use formula to calculate the volume of cuboids and cubes.2. Find the dimension of a cuboid given its volume and other dimensions.3. Solve word problems involving volume of cuboids and cubes.	<ol style="list-style-type: none">1. Find the volume of cubes and cuboids.2. Find the dimension of a cuboid given its volume and other dimensions.3. Find the volume of prisms.4. Find the length of a prism given its volume and area of the cross-section.5. Solve word problems involving volume of cuboids, cubes and prisms.

Directed Numbers

GRADE 1	GRADE 2	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7
					<ol style="list-style-type: none">1. Use of positive and negative numbers.2. Compare positive and negative numbers using $>$ or $<$.3. Addition and subtraction of positive and negative numbers (2 numbers).4. Multiplication and division of positive and negative numbers.	<ol style="list-style-type: none">1. Compare positive and negative numbers using $>$ or $<$.2. Use addition rule to solve addition and subtraction of directed numbers.3. Use multiplication rule to solve multiplication and division of directed numbers.

Indices

GRADE 1	GRADE 2	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7
						<ol style="list-style-type: none">1. Introduce the index form.2. Find the values of numbers written in the index form.3. Use the multiplication and division law of indices in simplifying.

Algebra and Equations

GRADE 1	GRADE 2	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7
			$\frac{x}{3}$		<ol style="list-style-type: none"> Use letters to represent unknowns and write simple algebraic expressions involving one variable for a given situation (e.g. $2 + y$). Add, subtract and multiply algebraic expressions involving 1-3 variables (exclude terms with exponents). Evaluate simple algebraic expressions in 1-3 variables by substitution (exclude terms with exponents). Simplify expressions with parenthesis (e.g. $3x(5 - 2y)$). Solve simple linear equations (e.g. $a + 2 = 3$, $2c = 12$, $\quad = 6$, $2 + 2u = -6$). 	<ol style="list-style-type: none"> Use letters to represent unknowns and write simple algebraic expressions (e.g. $6c + d$). Add and subtract algebraic terms (e.g. $4m^2n + 8mn^2 - 7m^2n$). Multiply algebraic terms (e.g. $-x^3(2xy^3)(-5y^5z)$). Divide algebraic terms (e.g. $\frac{-15a^3b}{5a^2}$). Evaluate algebraic expressions by substitution. Simplify expressions with parenthesis (e.g. $(3x + 2)(4x - 1)$). Factorize algebraic expressions (exclude group factorization). Solve linear equations (include cases involving fractional coefficients, exclude: $\frac{x-3}{2} + \frac{2x-1}{5} = 1$).

Scope and sequence chart

Rate, Ratio and Proportion

GRADE 1	GRADE 2	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7
					<ol style="list-style-type: none">1. Introduce the meaning of the ratio notation “:”.2. Use ratios to show the relative sizes of two quantities.3. Simplify ratios with whole numbers.4. Find the missing number in equal ratios.5. Solve simple word problems involving direct proportions.	<ol style="list-style-type: none">1. Introduce rate.2. Solve problems involving rate.3. Find the ratio of two or more quantities.4. Simplify ratios with whole numbers.5. Simplify ratios with units.6. Simplify fractional ratios.7. Solve word problems involving direct proportions.8. Solve word problems involving proportional parts (sharing).9. Solve word problems involving alms (<i>zakaaiy</i>).

Percentage

GRADE 1	GRADE 2	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7
					<ol style="list-style-type: none">1. Introduce the meaning of the percentage notation “%”.2. Recognize the equivalent between percentage and fraction.3. Change proper fraction to percentage, and vice versa.4. Calculate the percentage of a quantity.5. Solve 1-2 step word problems involving percentages. (e.g.: There are 5 children in a team. Three of them are boys. The rest are girls. What percentage of the children are girls?)6. Solve 1-step word problems involving percentage of a quantity.	<ol style="list-style-type: none">1. Recognize the equivalent between percentage and fraction.2. Change fraction to percentage, and vice versa.3. Change decimal to percentage, and vice versa.4. Calculate the percentage of a quantity.5. Solve word problems involving percentages.6. Solve word problems involving percentage of a quantity.7. Solve word problems involving percentage increase and decrease.8. Solve word problems involving discount.9. Solve word problems involving profit and loss percentage.

Scope and sequence chart

Statistics

GRADE 1	GRADE 2	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7
		<ol style="list-style-type: none">1. Read and interpret data presented in a pictograph, where each symbol represents one unit.2. Construct pictographs using data given, where each symbol represents one unit.	<ol style="list-style-type: none">1. Read and interpret data presented in a bar graph, where the scale represents 1 unit for one.2. Construct bar graphs using data given (when the scale is marked).	<ol style="list-style-type: none">1. Find the average of 2-5 two digit numbers.2. Solve word problems involving averages of 2-5 two digit numbers.3. Read and interpret data presented in a line graph.4. Construct line graphs using data given.	<ol style="list-style-type: none">1. Find the average of a set of numbers.2. Solve word problems involving averages.3. Read and interpret data presented in pictographs, bar graphs and line graphs.4. Construct pictographs, bar graphs and line graphs.	<ol style="list-style-type: none">1. Find mean, median and mode from a given data.2. Read and interpret data presented in pie charts.3. Construct pie charts.

Straight line graphs

GRADE 1	GRADE 2	GRADE 3	GRADE 4	GRADE 5	GRADE 6	GRADE 7
						<ol style="list-style-type: none">1. Use Cartesian coordinates in two dimensions.2. Draw straight line graphs for the equations in the form $y = mx + c$.