2019 JKF PRIMARY MATHEMATICS SCHEME OF WORK CLASS 6

Reference BOOKS:

JKF: New Syllabus Primary Mathematics Pupils book 6

PRIMARY MATHEMATICS STANDARD 6 SCHEMES OF WORK: TERM ONE

WEEK	LESSON	TOPIC	SUB TOPIC	OBJECTIVES	TEACHING/LEARNING ACTIVITIES	LEARNING RESOURCES	REFERENCES	REMARKS
1	1	Whole numbers	Place values of numbers	By the end of this topic, the pupils should be able to recognize and identify the place values and total values of numbers, read and write numbers in words and in figures up to hundreds of millions	Revision of place values up to hundreds of thousands Counting in thousands	Place value tables and columns	JKF student book pages 2-4 Progressive Pupil's Book pages 2-4 Teacher's Book pages 1-3	
	2	Whole numbers	Place values of numbers	By the end of this topic, the pupils should be able to recognize and identify the place values and total values of numbers, read and write numbers in words and in figures up to hundreds of millions	Revision of place values up to hundreds of thousands Counting in thousands	Place value tables and columns	JKF student book pages 2-4 Progressive Pupil's Book pages 2-4 Teacher's Book pages 1-3	
	3	Whole numbers	Place values of numbers	By the end of this topic, the pupils should be able to recognize and identify the place values and	Revision of place values up to hundreds of thousands Counting in thousands	Place value tables and columns	JKF student book pages 2-4 Progressive Pupil's Book pages 2-4 Teacher's Book	

				total values of numbers, read and write numbers in words and in figures up to hundreds of millions			pages 1-3	
		Whole numbers	Place values of numbers	By the end of this topic, the pupils should be able to recognize and identify the place values and total values of numbers, read and write numbers in words and in figures up to hundreds of millions	Revision of place values up to hundreds of thousands Counting in thousands	Place value tables and columns	JKF student book pages 2-4 Progressive Pupil's Book pages 2-4 Teacher's Book pages 1-3	
	5		Rounding off to the nearest thousand	By the end of this topic, the pupils should be able to round off numbers to the nearest thousand	Identification of the place value of whole numbers Drawing number lines Estimating and rounding off numbers	Place value tables, number lines	JKF student book pages 2-4 Pupil's Book page 5 Teacher's Book page 4	
	6		Rounding off to the nearest thousand	By the end of this topic, the pupils should be able to round off numbers to the nearest thousand	Identification of the place value of whole numbers Drawing number lines Estimating and rounding off numbers	Place value tables, number lines	JKF student book pages 2-4 Pupil's Book page 5 Teacher's Book page 4	
2	1		Divisibility by 8 and	By the end of this topic, the pupils should be able to apply the divisibility test for 8 to determine numbers	Listing multiples of numbers Dividing numbers	Multiplication tables	JKF student book pages 9-10 Pupils' Book page 6 Teacher's Book pages 4-5	

				that are divisible by 8			
	2		Divisibility by 8 and	By the end of this topic, the pupils should be able to apply the divisibility test for 8 to determine numbers that are divisible by 8	Listing multiples of numbers Dividing numbers	Multiplication tables	JKF student book pages 9-10 Pupils' Book page 6 Teacher's Book pages 4-5	
	3		Divisibility by 8 and	By the end of this topic, the pupils should be able to apply the divisibility test for 8 to determine numbers that are divisible by 8	Listing multiples of numbers Dividing numbers	Multiplication tables	JKF student book pages 9-10 Pupils' Book page 6 Teacher's Book pages 4-5	
	4		Divisibility by 8 and	By the end of this topic, the pupils should be able to apply the divisibility test for 8 to determine numbers that are divisible by 8	Listing multiples of numbers Dividing numbers	Multiplication tables	JKF student book pages 9-10 Pupils' Book page 6 Teacher's Book pages 4-5	
	5		Squares of numbers	By the end of this topic, the pupils should be able to identify and to work out squares of up to	Multiplying numbers Listing numbers	Multiplication tables	JKF student book pages 10-11 Pupil's book pages 7-8 Teacher's Book pages 5-6	

				3-digit numbers, list the square numbers between 1 and 100 and find the square of a number				
	6		Squares of numbers	By the end of this topic, the pupils should be able to identify and to work out squares of up to 3-digit numbers, list the square numbers between 1 and 100 and find the square of a number	Multiplying numbers Listing numbers	Multiplication tables	JKF student book pages 10-11 Pupil's book pages 7-8 Teacher's Book pages 5-6	
	7		Squares of numbers	By the end of this topic, the pupils should be able to identify and to work out squares of up to 3-digit numbers, list the square numbers between 1 and 100 and find the square of a number	Multiplying numbers Listing numbers	Multiplication tables	JKF student book pages 10-11 Pupil's book pages 7-8 Teacher's Book pages 5-6	
3	1		Square roots of numbers	By the end of this topic, the pupils should be able to work out the square roots of perfect	Multiplying numbers Dividing numbers	Multiplication tables, charts with lists of whole numbers up to 100	JKF student book pages 11-12 Pupil's Book pages 8-9 Teacher's Book pages 6-7	

			squares up to 3-digit numbers				
	2		Square roots of numbers	By the end of this topic, the pupils should be able to work out the square roots of perfect squares up to 3-digit numbers	Multiplying numbers Dividing numbers	Multiplication tables, charts with lists of whole numbers up to 100	JKF student book pages 11-12 Pupil's Book pages 8-9 Teacher's Book pages 6-7	
	3		Square roots of numbers	By the end of this topic, the pupils should be able to work out the square roots of perfect squares up to 3-digit numbers	Multiplying numbers Dividing numbers	Multiplication tables, charts with lists of whole numbers up to 100	JKF student book pages 11-12 Pupil's Book pages 8-9 Teacher's Book pages 6-7	
	4	Addition and subtraction	Addition	By the end of this topic, the pupils should be able to add numbers up to millions with sums not exceeding 999 999 999 with and without carrying	Adding numbers Aligning numbers in place value charts	Place value tables and charts, addition tables	JKF student book pages 11-12 Pupil's Book pages 10-11 Teacher's Book pages 11-12	
	5	Addition and subtraction	Addition	By the end of this topic, the pupils should be able to add numbers up to millions with sums not exceeding 999	Adding numbers Aligning numbers in place value charts	Place value tables and charts, addition tables	JKF student book pages 11-12 Pupil's Book pages 10-11 Teacher's Book pages 11-12	

				999 999 with and without carrying				
	6	Square roots of numbers	By the end of this topic, the pupils should be able to work out the square roots of perfect squares up to 3-digit numbers	Multiplying numbers Dividing numbers	Multiplication tables, charts with lists of whole numbers up to 100	JKF student book pages 11-12 Pupil's Book pages 8-9 Teacher's Book pages 6-7	Square roots of numbers	
	7	Square roots of numbers	By the end of this topic, the pupils should be able to work out the square roots of perfect squares up to 3-digit numbers	Multiplying numbers Dividing numbers	Multiplication tables, charts with lists of whole numbers up to 100	JKF student book pages 11-12 Pupil's Book pages 8-9 Teacher's Book pages 6-7	Square roots of numbers	
4	1		Subtraction	By the end of this topic, the pupils should be able to work out subtraction of numbers up to millions with and without borrowing	Subtracting numbers Aligning numbers in place value charts and tables	Place value tables, addition tables	JKF student book pages 11-12 Pupil's Book pages 12-13 Teacher's Book pages 12-13	

	2		Subtraction	By the end of this topic, the pupils should be able to work out subtraction of numbers up to millions with and without borrowing	Subtracting numbers Aligning numbers in place value charts and tables	Place value tables, addition tables	JKF student book pages 11-12 Pupil's Book pages 12-13 Teacher's Book pages 12-13	
	3		Subtraction	By the end of this topic, the pupils should be able to work out subtraction of numbers up to millions with and without borrowing	Subtracting numbers Aligning numbers in place value charts and tables	Place value tables, addition tables	JKF student book pages 11-12 Pupil's Book pages 12-13 Teacher's Book pages 12-13	
	4		Multiplication	By the end of this topic, the pupils should be able to multiply up to 3-digit numbers by 3-digit numbers with products not exceeding 999 999 999	Listing the multiples of numbers Multiplying whole numbers	Multiplication tables	JKF student book pages 15-19 Pupil's Book pages 14-15 Teacher's Book pages 15-16	
	5		Multiplication	By the end of this topic, the pupils should be able to	Listing the multiples of numbers Multiplying whole	Multiplication tables	JKF student book pages 15-19 Pupil's Book pages 14-15 Teacher's	

				multiply up to 3-digit numbers by 3-digit numbers with products not exceeding 999 999 999	numbers		Book pages 15-16	
	6		Multiplication	By the end of this topic, the pupils should be able to multiply up to 3-digit numbers by 3-digit numbers with products not exceeding 999 999 999	Listing the multiples of numbers Multiplying whole numbers	Multiplication tables	JKF student book pages 15-19 Pupil's Book pages 14-15 Teacher's Book pages 15-16	
	7		Multiplication	By the end of this topic, the pupils should be able to multiply up to 3-digit numbers by 3-digit numbers with products not exceeding 999 999 999	Listing the multiples of numbers Multiplying whole numbers	Multiplication tables	JKF student book pages 15-19 Pupil's Book pages 14-15 Teacher's Book pages 15-16	
5	1		Division	By the end of this topic, the pupils should be able to divide up to 4-digit numbers by 2-digit numbers with the	Listing the multiples of numbers Dividing number	Multiplication tables	JKF student book pages 17-18 Pupil's Book pages 16-19 Teacher's Book pages 16-18	

				divisor less than the dividend			
	2		Division	By the end of this topic, the pupils should be able to divide up to 4-digit numbers by 2-digit numbers with the divisor less than the dividend	Listing the multiples of numbers Dividing number	Multiplication tables	JKF student book pages 17-18 Pupil's Book pages 16-19 Teacher's Book pages 16-18	
	3		Division	By the end of this topic, the pupils should be able to divide up to 5-digit numbers by 2-digit numbers with the divisor less than the dividend	Listing the multiples of numbers Dividing number	Multiplication tables	JKF student book pages 17-18 Pupil's Book pages 16-19 Teacher's Book pages 16-18	
	4		Division	By the end of this topic, the pupils should be able to divide up to 5-digit numbers by 2-digit numbers with the divisor less than the dividend	Listing the multiples of numbers Dividing number	Multiplication tables	JKF student book pages 17-18 Pupil's Book pages 16-19 Teacher's Book pages 16-18	
	5		Division	By the end of this topic, the pupils should be able to divide up to 5-digit	Listing the multiples of numbers Dividing number	Multiplication tables	JKF student book pages 17-18 Pupil's Book pages 16-19 Teacher's	

				numbers by 2-digit numbers with the divisor less than the dividend			Book pages 16-18
6	1		Word problem	By the end of this topic, the pupils should be able to calculate numbers that are divided up to 5 digits, 2 digits.	Listing the multiples of numbers Dividing number	Multiplication tables	JKF student book pages 17-18 Pupil's Book pages 16-19 Teacher's Book pages 16-18
	2		Number sequences	By the end of this topic, the pupils should be able to identify and recognize number sequences involving addition and subtraction	Adding numbers Subtracting number Identifying number sequences	Addition tables	JKF student book pages 19-21 Pupil's Book page 13 Teacher's Book page 13
	3		Number sequences	By the end of this topic, the pupils should be able to identify and recognize number sequences involving addition and subtraction	Adding numbers Subtracting number Identifying number sequences	Addition tables	JKF student book pages 19-21 Pupil's Book page 13 Teacher's Book page 13
	4		Number sequences	By the end of this topic, the pupils should be able to identify and	Adding numbers Subtracting number Identifying number sequences	Addition tables	JKF student book pages 19-21 Pupil's Book page 13 Teacher's Book

				recognize number sequences involving addition and subtraction			page 13
	5		Number sequences	By the end of this topic, the pupils should be able to identify and recognize number sequences involving addition and subtraction	Adding numbers Subtracting number Identifying number sequences	Addition tables	JKF student book pages 19-21 Pupil's Book page 13 Teacher's Book page 13
	6		Least common multiple(L.C.M	By the end of this topic, the pupils should be able to work out the LCM of numbers	Dividing numbers Multiplying numbers Answering questions	Multiplication tables	JKF student book pages 22-23 Pupil's Book pages 19-20 Teacher's Book page 18
	7		Least common multiple(L.C.M	By the end of this topic, the pupils should be able to work out the LCM of numbers	Dividing numbers Multiplying numbers Answering questions	Multiplication tables	JKF student book pages 22-23 Pupil's Book pages 19-20 Teacher's Book page 18
7				Revision test			
8	1	FRACTIONS	Adding fractions	By the end of this topic, the pupils should be able to add up to three mixed numbers using LCM	Listing multiples of numbers Listing divisors of numbers Adding fractions Finding the LCM AND G.C.D of numbers	Paper strips, fruits, cakes, etc.	JKF student book pages 26-27 Pupil's Book pages 22-24 Teacher's Book pages 21-22

	2	FRACTIONS	Adding fractions	By the end of this topic, the pupils should be able to add up to three mixed numbers using LCM	Listing multiples of numbers Listing divisors of numbers Adding fractions Finding the LCM AND G.C.D of numbers	Paper strips, fruits, cakes, etc.	JKF student book pages 26-27 Pupil's Book pages 22-24 Teacher's Book pages 21-22	
	3		Subtracting fraction	By the end of this topic, the pupils should be able to subtract up to three mixed numbers using LCM	Listing multiples of numbers Listing divisors of numbers Subtracting fractions Finding the LCM of number	Paper strips, fruits, cakes, etc.	JKF student book pages 28-29 Pupil's Book pages 24-26 Teacher's Book pages 22-23	
	4		Subtracting fraction	By the end of this topic, the pupils should be able to subtract up to three mixed numbers using LCM	Listing multiples of numbers Listing divisors of numbers Subtracting fractions Finding the LCM of number	Paper strips, fruits, cakes, etc.	JKF student book pages 28-29 Pupil's Book pages 24-26 Teacher's Book pages 22-23	
	5		Adding & Subtracting fractions	By the end of this topic, the pupils should be able to add up to three mixed numbers using LCM	Listing multiples of numbers Listing divisors of numbers Adding fractions Finding the LCM AND G.C.D of numbers	Paper strips, fruits, cakes, etc.	JKF student book pages 30-31 Pupil's Book pages 22-24 Teacher's Book pages 21-22	
	6		Adding & Subtracting	By the end of this topic, the pupils	Listing multiples of numbers	Paper strips, fruits, cakes, etc.	JKF student book pages 30-31	

				fractions	should be able to add up to three mixed numbers using LCM	Listing divisors of numbers Adding fractions Finding the LCM AND G.C.D of numbers		Pupil's Book pages 22-24 Teacher's Book pages 21-22	
9	1			Multiplying fractions	By the end of this topic, the pupils should be able to multiply a fraction by a fraction, and by a mixed number	Cutting into equal parts Counting parts of a fraction Multiplying fractions	Paper strips, fruits, cakes, etc.	JKF student book pages 48-49 Pupil's Book pages 24-26 Teacher's Book pages 22-23	
	2			Multiplying fractions	By the end of this topic, the pupils should be able to multiply a fraction by a fraction, and by a mixed number	Cutting into equal parts Counting parts of a fraction Multiplying fractions	Paper strips, fruits, cakes, etc.	JKF student book pages 48-49 Pupil's Book pages 24-26 Teacher's Book pages 22-23	
	3			Multiplying fractions	By the end of this topic, the pupils should be able to multiply a fraction by a fraction, and by a mixed number	Cutting into equal parts Counting parts of a fraction Multiplying fractions	Paper strips, fruits, cakes, etc.	JKF student book pages 48-49 Pupil's Book pages 24-26 Teacher's Book pages 22-23	
	4			Dividing a fraction by a whole number	By the end of this topic, the pupils should be able to divide a fraction by a whole number and vice versa	Cutting into equal parts Counting parts of a fraction Dividing fractions	Paper strips, fruits, cakes, etc.	JKF student book pages 48-49 Pupil's Book pages 29-30 Teacher's Book pages 24-25	
	5			Dividing a	By the end of this	Cutting into equal parts	Paper strips,	JKF student book	

			fraction by a whole number	topic, the pupils should be able to divide a fraction by a whole number and vice versa	Counting parts of a fraction Dividing fractions	fruits, cakes, etc.	pages 48-49 Pupil's Book pages 29-30 Teacher's Book pages 24-25	
	6		Dividing a fraction by a whole number	By the end of this topic, the pupils should be able to divide a fraction by a whole number and vice versa	Cutting into equal parts Counting parts of a fraction Dividing fractions	Paper strips, fruits, cakes, etc.	JKF student book pages 48-49 Pupil's Book pages 29-30 Teacher's Book pages 24-25	
	7		Dividing a fraction by a whole number	By the end of this topic, the pupils should be able to divide a fraction by a whole number and vice versa	Cutting into equal parts Counting parts of a fraction Dividing fractions	Paper strips, fruits, cakes, etc.	JKF student book pages 48-49 Pupil's Book pages 29-30 Teacher's Book pages 24-25	
10	1		Decimals and fractions	By the end of this topic, the pupils should be able to convert decimals to fractions	Converting decimals to fractions and vice versa	Place value tables	JKF student book pages 48-49 Pupil's Book pages 44-45 Teacher's Book pages 35-36	
	2		Decimals and fractions	By the end of this topic, the pupils should be able to convert decimals to fractions	Converting decimals to fractions and vice versa	Place value tables	JKF student book pages 48-49 Pupil's Book pages 44-45 Teacher's Book pages 35-36	
	3		Decimals and fractions	By the end of this topic, the pupils should be able to	Converting decimals to fractions and vice versa	Place value tables	JKF student book pages 48-49 Pupil's Book pages	

				convert decimals to fractions			44-45 Teacher's Book pages 35-36
	4		Decimals and fractions	By the end of this topic, the pupils should be able to Fractions to decimals	Converting decimals to fractions and vice versa	Place value tables	JKF student book pages 48-49 Pupil's Book pages 44-45 Teacher's Book pages 35-36
	5		Decimals and fractions	By the end of this topic, the pupils should be able to Fractions to decimals	Converting decimals to fractions and vice versa	Place value tables	JKF student book pages 48-49 Pupil's Book pages 44-45 Teacher's Book pages 35-36
	6		Decimals and fractions	By the end of this topic, the pupils should be able to Fractions to decimals	Converting decimals to fractions and vice versa	Place value tables	JKF student book pages 48-49 Pupil's Book pages 44-45 Teacher's Book pages 35-36
	7		Decimals and fractions	By the end of this topic, the pupils should be able to Fractions to decimals	Converting decimals to fractions and vice versa	Place value tables	JKF student book pages 48-49 Pupil's Book pages 44-45 Teacher's Book pages 35-36
11	1		Decimals and fractions	By the end of this topic, the pupils should be able to convert decimals to fractions	Converting decimals to fractions and vice versa	Place value tables	JKF student book pages 48-49 Pupil's Book pages 44-45 Teacher's Book pages 35-36
	2		Decimals and fractions	By the end of this topic, the pupils should be able to	Converting decimals to fractions and vice versa	Place value tables	JKF student book pages 48-49 Pupil's Book pages

				convert decimals to fractions			44-45 Teacher's Book pages 35-36
	3		Decimals and fractions	By the end of this topic, the pupils should be able to convert decimals to fractions	Converting decimals to fractions and vice versa	Place value tables	JKF student book pages 48-49 Pupil's Book pages 44-45 Teacher's Book pages 35-36
	4		Decimals and fractions	By the end of this topic, the pupils should be able to Fractions to decimals	Converting decimals to fractions and vice versa	Place value tables	JKF student book pages 48-49 Pupil's Book pages 44-45 Teacher's Book pages 35-36
	5		Decimals and fractions	By the end of this topic, the pupils should be able to Fractions to decimals	Converting decimals to fractions and vice versa	Place value tables	JKF student book pages 48-49 Pupil's Book pages 44-45 Teacher's Book pages 35-36
	6		Decimals and fractions	By the end of this topic, the pupils should be able to Fractions to decimals	Converting decimals to fractions and vice versa	Place value tables	JKF student book pages 48-49 Pupil's Book pages 44-45 Teacher's Book pages 35-36
	7		Decimals and fractions	By the end of this topic, the pupils should be able to Fractions to decimals	Converting decimals to fractions and vice versa	Place value tables	JKF student book pages 48-49 Pupil's Book pages 44-45 Teacher's Book pages 35-36
13	1	Percentage	The meaning of percentage	By the end of this topic, the pupils should be able to	Drawing a 100-square grid Listing equivalent	100-square grids, 100 counters	JKF student book pages 84- Pupil's Book pages

				convert decimals and fractions to percentages and vice versa	fractions Converting fractions and decimals to percentage		48-49 Teacher's Book pages 41-42	
	2	Percentage	The meaning of percentage	By the end of this topic, the pupils should be able to convert decimals and fractions to percentages and vice versa	Drawing a 100-square grid Listing equivalent fractions Converting fractions and decimals to percentage	100-square grids, 100 counters	JKF student book pages 84- Pupil's Book pages 48-49 Teacher's Book pages 41-42	
	3	Percentage	The meaning of percentage	By the end of this topic, the pupils should be able to convert fractions to percentages and vice versa	Drawing a 100-square grid Listing equivalent fractions Converting fractions and decimals to percentage	100-square grids, 100 counters	JKF student book pages 84- Pupil's Book pages 48-49 Teacher's Book pages 41-42	
	4	Percentage	The meaning of percentage	By the end of this topic, the pupils should be able to convert fractions to percentages and vice versa	Drawing a 100-square grid Listing equivalent fractions Converting fractions and decimals to percentage	100-square grids, 100 counters	JKF student book pages 84- Pupil's Book pages 48-49 Teacher's Book pages 41-42	
	5		Converting fractions, decimals and percentages	By the end of this topic, the pupils should be able to convert fractions and decimals to percentages and vice versa	Converting fractions/decimals to percentages and vice versa	Multiplication tables, 100-square grids, 100 counters	JKF student book pages 84-86 Pupil's Book pages 49-50 Teacher's Book pages 42-43	

| | 6 | | | Converting fractions, decimals and percentages | By the end of this topic, the pupils should be able to convert fractions and decimals to percentages and vice versa | Converting fractions/decimals to percentages and vice versa | Multiplication tables, 100-square grids, 100 counters | JKF student book pages 84-86 Pupil's Book pages 49-50 Teacher's Book pages 42-43 | |
| **14** | | | | | **REVISION FOR END OF TERM EXAMS** | | | | |