Success Mathematics Schemes Of Work

Standard Eight Term One

Year_____

WEEK	LESN	TOPIC	Sub-topic	OBJECTIVES	TEACHER'S ACTIVITIES	LEARNER'S ACTIVITIES	LEARNING/ TEACHING RESOURCES	REF	ASSESSMENT	RMK
1				**REVISION OF STD 7 WORK**						
2	**1**	**NUMBERS**	Place value	By the end of the lesson the learner should be able to a. identify the place value of a given numbers b. Work out examples involving place value	-Grouping - Explanation -Working out -demonstration -Discussion	-Grouping - Explanation -Working out -demonstration -Discussion	-Objects like tins, books, cups etc. -place value chart	Success Mathematics Pupils Bk 8 Pg 8-12	Written exercise	

	2		Total value	By the end of the lesson the learner should be able to a. identify total value of a given number b. Match objects according to common value	-Grouping objects - arranging -Labelling and matching objects	-Grouping objects - arranging -Labelling and matching numbers	place value chart	Success Mathematics Pupils Bk 8 Pg 8-12	Filling in the table	
	3		Squares of numbers	By the end of the lesson the learner should be able to work out squares of perfect square numbers	- Explanation -Working out -demonstration -Discussion	- Explanation -Working out -demonstration -Discussion	Rectangles, circles, triangles of different sizes and colours	Success Mathematics Pupils Bk 8 Pg13	Written exercise	
	4		Squares of numbers	By the end of the lesson the learner should be able to work out squares of perfect square numbers	- Explanation -Working out -demonstration -Discussion	- Explanation -Working out -demonstration -Discussion	Rectangles, circles, triangles of different sizes and colours	Success Mathematics Pupils Bk 8 Pg13	Written exercise	
	5		Square roots of numbers	By the end of the lesson the learner should be able to work out the square root of perfect square numbers	- Explanation -Working out -demonstration -Discussion	- Explanation -Working out -demonstration -Discussion	Rectangles, circles, triangles of different sizes and colours	Success Mathematics Pupils Bk 8 Pg13	Filling in the table	
	6		The last digit of a	By the end of the lesson the learner should be able	- Explanation -Working out	- Explanation -Working out	Rectangles, circles,	Success Mathematics	Filling in the	

			square	to work out the last digit of a square	-demonstration -Discussion	-demonstration -Discussion	triangles of different sizes and colours	Pupils Bk 8 Pg15	table	
	7		The last digit of a square	By the end of the lesson the learner should be able to work out the last digit of a square	- Explanation -Working out -demonstration -Discussion	- Explanation -Working out -demonstration -Discussion	Rectangles, circles, triangles of different sizes and colours	Success Mathematics Pupils Bk 8 Pg15	Filling in the table	
3	**1**		Square root of perfect squares	By the end of the lesson the learner should be able to work out square root of perfect squares	- Explanation -Working out -demonstration -Divide	- Explanation -Working out -demonstration -Divide	Objects like tins, books, bottles, pictures, of different size	Success Mathematics Pupils Bk 8 Pg17	Written exercise	
	2		Square root of perfect squares	By the end of the lesson the learner should be able to work out square root of perfect squares	- Explanation -Working out -demonstration -Divide	- Explanation -Working out -demonstration -Divide	Objects like tins, books, bottles, pictures, of different size	Success Mathematics Pupils Bk 8 Pg17	Written exercise	
	3		Finding square root using prime factorization	By the end of the lesson the learner should be able to find square root using prime factorization	• Identifying • Matching • Comparing-Explanation	• Identifying • Matching • Comparing-Explanation	Objects that have smooth or rough texture like	Success Mathematics Pupils Bk 8 Pg17	Working out a problem	

					-Working out -demonstration -Discussion	-Working out -demonstration -Discussion	wood, paper, glass, soil, mirror, Leaves, etc.			
	4		Conversion of fraction to decimals	By the end of the lesson the learner should be able to fraction to decimals and vice versa	- Explanation -Working out -demonstration -Discussion	- Explanation -Working out -demonstration -Discussion	Chart	Success Mathematics Pupils Bk 8 Pg 20	Written exercise	
	5		Conversion Of decimals to fractions	By the end of the lesson the learner should be able to decimals to fractions	- Explanation -Working out -demonstration -Discussion	- Explanation -Working out -demonstration -Discussion	Chart	Success Mathematics Pupils Bk 8 Pg 21	Written exercise	
	6		Conversion of fractions to percentages and percentages to fractions	By the end of the lesson the learner should be able to convert percentage into fraction	- Explanation -Working out -demonstration -Discussion	- Explanation -Working out -demonstration -Discussion	place value chart	Success Mathematics Pupils Bk 8 Pg 23	Written exercise	
	7		Conversion of decimals to percentages and percentages to fractions	By the end of the lesson the learner should be able to convert percentage into fraction	- Explanation -Working out -demonstration -Discussion	- Explanation -Working out -demonstration -Discussion	place value chart	Success Mathematics Pupils Bk 8 Pg 26	Working out a problem	
4	**1**	**OPERATION**	Addition	By the end of this topic, the	- Explanation -Addition	- Explanation -Addition	Multiplication table	Success Mathematics	Written exercise	

		ON WHOLE NUMBERS		pupils should be able to add whole numbers by whole numbers correctly	-demonstration -Discussion	-demonstration -Discussion		Pupils Bk 8 Pg 29		
	2		Subtraction	By the end of this topic, the pupils should be able to subtract whole numbers by whole numbers correctly	- Explanation -Subtraction -demonstration -Discussion	- Explanation -Subtraction -demonstration -Discussion	Multiplication table	Success Mathematics Pupils Bk 8 Pg 36	Filling in the table	
	3		Multiplication	By the end of this topic, the pupils should be able to multiply whole number by whole numbers correctly	- Explanation -Multiplication -demonstration -Discussion	- Explanation -Multiplication -demonstration -Discussion	Multiplication table	Success Mathematics Pupils Bk 8 Pg 38	Working out a problem	
	1		Division	By the end of this topic, the pupils should be able to divide whole numbers by up to 3-digit numbers	- Explanation -Division -demonstration -Discussion	- Explanation -Division -demonstration -Discussion	Multiplication table	Success Mathematics Pupils Bk 8 Pg 39	Written exercise	
	2		Combined operation	By the end of this topic, the pupils should be able to work out problems involving combined operation in whole	- Explanation -Working out -demonstration -Discussion	- Explanation -Working out -demonstration -Discussion	Multiplication table	Success Mathematics Pupils Bk 8 Pg 41	Filling in the table	

				numbers						
	3		Operation on decimals	By the end of this topic, the pupils should be able to work out problems involving decimals	- Explanation -Working out -demonstration -Discussion	- Explanation -Working out -demonstration -Discussion	Multiplication table	Success Mathematics Pupils Bk 8 Pg 43	Filling in the table	
	4		Addition and subtraction	By the end of this topic, the pupils should be able to work out addition and subtraction of whole numbers	- Explanation -addition -demonstration -Discussion	- Explanation -addition -demonstration -Discussion	Multiplication table	Success Mathematics Pupils Bk 8 Pg 43	Working out a problem	
	5		Combined operation on decimals	By the end of this topic, the pupils should be able to work out problems involving combined operation in decimals	- Explanation -Working out -demonstration -Discussion	- Explanation -Working out -demonstration -Discussion	Multiplication table	Success Mathematics Pupils Bk 8 Pg 45	Filling in the table	
	6		Percentage Increase and decrease	By the end of this topic, the pupils should be able to work out percentage increase and decrease	- Explanation -Division -demonstration -Discussion	- Explanation -Division -demonstration -Discussion	Multiplication table	Success Mathematics Pupils Bk 8 Pg 48	Written exercise	
	7		Number	By the end of this topic,	- Explanation	- Explanation	Multiplication	Success	Working	

			sequence	the pupils should be able to recognize and identify number sequence involving whole numbers	-addition -demonstration -Discussion	-addition -demonstration -Discussion	table	Mathematics Pupils Bk 8 Pg 51	out a problem	
5	**1**	**MEASUREMENT**	Length	By the end of this topic, the pupils should be able to work out problems involving units of length	- Explanation -Working out -demonstration -Discussion	- Explanation -Working out -demonstration -Discussion	Metre rule	Success Mathematics Pupils Bk 8 Pg 53	Working out a problem	
	2		Length	By the end of this topic, the pupils should be able to work out problems involving units of length	- Explanation -Working out -demonstration -Discussion	- Explanation -Working out -demonstration -Discussion	Metre rule	Success Mathematics Pupils Bk 8 Pg 53	Working out a problem	
	3		Perimeter	By the end of this topic, the pupils should be able to work out perimeter of various figures	- Explanation -Working out -demonstration -Discussion	- Explanation -Working out -demonstration -Discussion	Metre rule	Success Mathematics Pupils Bk 8 Pg 59	Written exercise	
	4		Perimeter	By the end of this topic, the pupils should be able to work out perimeter of various figures	- Explanation -Working out -demonstration -Discussion	- Explanation -Working out -demonstration -Discussion	Metre rule Mathematical set	Success Mathematics Pupils Bk 8 Pg 59	Written exercise	

	5		Circumference	By the end of this topic, the pupils should be able to work out circumference of given figures	- Explanation -Working out -Multiplication -Discussion	- Explanation -Working out -Multiplication -Discussion	Metre rule Mathematical set	Success Mathematics Pupils Bk 8 Pg 59	Written exercise	
	6		Circumference	By the end of this topic, the pupils should be able to work out circumference of given figures	- Explanation -Working out -Multiplication -Discussion	- Explanation -Working out -Multiplication -Discussion	Metre rule Mathematical set	Success Mathematics Pupils Bk 8 Pg 59	Written exercise	
	7	**MEASUREMENT**	Area of triangles	By the end of this topic, the pupils should be able to work out area of various triangles	- Explanation -Working out -demonstration -Discussion	- Explanation -Working out -demonstration -Discussion	Metre rule Mathematical set	Success Mathematics Pupils Bk 8 Pg 67	Written exercise	
6	**1**		Area of triangles	By the end of this topic, the pupils should be able to work out area of various triangles	- Explanation -Working out -demonstration -Discussion	- Explanation -Working out -demonstration -Discussion	Metre rule Mathematical set	Success Mathematics Pupils Bk 8 Pg 67	Written exercise	
	2		The area of combined shapes	By the end of the lesson the learner should be able to work out area of	- Explanation -Working out -demonstration	- Explanation -Working out -demonstration	Metre rule Mathematical set	Success Mathematics Pupils Bk 8	Working out a problem	

				combines shapes.	-revision	-revision		Pg 71		
	3		Area of borders	By the end of the lesson the learner should be able to work out area of borders	- Explanation -Working out -demonstration -Discussion	- Explanation -Working out -demonstration -Discussion	Metre rule Mathematical set	Success Mathematics Pupils Bk 8 Pg 76	Written exercise	
	4		Surface area of cubes	By the end of the lesson the learner should be able to work out surface area of cubes	- Explanation -subtraction -demonstration -Discussion	- Explanation -subtraction -demonstration -Discussion	Metre rule Mathematical set	Success Mathematics Pupils Bk 8 Pg 80	Written exercise	
	5		Surface area of cuboids	By the end of the lesson the learner should be able to work out surface area of cuboids	- Explanation -subtraction -demonstration -Discussion	- Explanation -subtraction -demonstration -Discussion	Metre rule Mathematical set	Success Mathematics Pupils Bk 8 Pg 80	Written exercise	
	6		Surface area of cylinders	By the end of the lesson the learner should be able to work out surface area of cylinders	- Explanation -subtraction -demonstration -Discussion	- Explanation -subtraction -demonstration -Discussion	Metre rule Mathematical set	Success Mathematics Pupils Bk 8 Pg 80	Written exercise	
	7		Surface area of cylinders	By the end of the lesson the learner should be able to work out surface area of cylinders	- Explanation -subtraction -demonstration -Discussion	- Explanation -subtraction -demonstration -Discussion	Metre rule Mathematical set	Success Mathematics Pupils Bk 8 Pg 80	Written exercise	
7	Half term									
8	**1**	**MIXED EXERCIS**	Exercise 1	**Mixed exercise 1/revision of the exercise**						

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9	**1**	**MEASUREMENT**	Volume (cubes)	By the end of the lesson the learner should be able to work out volume of cubes	- Explanation -subtraction -demonstration -Discussion	- Explanation -subtraction -demonstration -Discussion	Metre rule Mathematical set cubes cuboids cylinders	Success Mathematics Pupils Bk 8 Pg 91	Written exercise	
	2		Volume(cuboids)	By the end of the lesson the learner should be able to work out volume of cuboids	- Explanation -subtraction -demonstration -Discussion	- Explanation -subtraction -demonstration -Discussion	Metre rule Mathematical set cubes cuboids cylinders	Success Mathematics Pupils Bk 8 Pg 91	Written exercise	
	3		Volume (cylinders)	By the end of the lesson the learner should be able to work out volume of cylinders	- Explanation -subtraction -demonstration -Discussion	- Explanation -subtraction -demonstration -Discussion	Metre rule Mathematical set cubes cuboids cylinders	Success Mathematics Pupils Bk 8 Pg 91	Written exercise	
	4		Volume (cylinders)	By the end of the lesson the learner should be able to work out volume of cylinders	- Explanation -subtraction -demonstration -Discussion	- Explanation -subtraction -demonstration -Discussion	Metre rule Mathematical set cubes cuboids cylinders	Success Mathematics Pupils Bk 8 Pg 91	Written exercise	
	5		Volume (triangular prisms)	By the end of the lesson the learner should be able to work out volume of triangular prisms	- Explanation -subtraction -demonstration -Discussion	- Explanation -subtraction -demonstration -Discussion	Metre rule Mathematical set cubes	Success Mathematics Pupils Bk 8 Pg 92	Written exercise	

							cuboids cylinders			
	6		Volume (triangular prisms)	By the end of the lesson the learner should be able to work out volume of triangular prisms	- Explanation -subtraction -demonstration -Discussion	- Explanation -subtraction -demonstration -Discussion	Metre rule Mathematical set cubes cuboids cylinders	Success Mathematics Pupils Bk 8 Pg 92	Written exercise	
	7	**MEASUREMENT**	Capacity (cubes)	By the end of the lesson the learner should be able to work out capacity of cubes	- Explanation -subtraction -demonstration -Discussion	- Explanation -subtraction -demonstration -Discussion	Metre rule Mathematical set cubes cuboids cylinders	Success Mathematics Pupils Bk 8 Pg 96	Written exercise	
10	**1**		Capacity (cubes)	By the end of the lesson the learner should be able to work out capacity of cubes	- Explanation -subtraction -demonstration -Discussion	- Explanation -subtraction -demonstration -Discussion	Metre rule Mathematical set cubes cuboids cylinders	Success Mathematics Pupils Bk 8 Pg 96	Written exercise	
	2		Capacity (cuboids)	By the end of the lesson the learner should be able to work out capacity of cuboids	- Explanation -subtraction -demonstration -Discussion	- Explanation -subtraction -demonstration -Discussion	Metre rule Mathematical set cubes cuboids cylinders	Success Mathematics Pupils Bk 8 Pg 96	Written exercise	
	3		Capacity (cuboids)	By the end of the lesson the learner should be able to work out capacity of	- Explanation -subtraction -demonstration	- Explanation -subtraction -demonstration	Metre rule Mathematical set	Success Mathematics Pupils Bk 8	Written exercise	

				cuboids	-Discussion	-Discussion	cubes cuboids cylinders	Pg 96		
	4		Capacity (cylinders)	By the end of the lesson the learner should be able to work out capacity of cylinders	- Explanation -subtraction -demonstration -Discussion	- Explanation -subtraction -demonstration -Discussion	Metre rule Mathematical set cubes cuboids cylinders	Success Mathematics Pupils Bk 8 Pg 96	Written exercise	
	5		Capacity (cylinders)	By the end of the lesson the learner should be able to work out capacity of cylinders	- Explanation -subtraction -demonstration -Discussion	- Explanation -subtraction -demonstration -Discussion	Metre rule Mathematical set cubes cuboids cylinders	Success Mathematics Pupils Bk 8 Pg 96	Written exercise	
	6		Conversion of capacity units and volume	By the end of the lesson the learner should be able to convers units of capacity and volume	- Explanation -subtraction -demonstration -Discussion	- Explanation -subtraction -demonstration -Discussion	Metre rule Mathematical set cubes cuboids cylinders	Success Mathematics Pupils Bk 8 Pg 100	Written exercise	
	7		Conversion of capacity units and volume	By the end of the lesson the learner should be able to convers units of capacity and volume	- Explanation -subtraction -demonstration -Discussion	- Explanation -subtraction -demonstration -Discussion	Metre rule Mathematical set cubes cuboids cylinders	Success Mathematics Pupils Bk 8 Pg 100	Written exercise	
11	**1**	**MEAS**	Mass (conversion	By the end of the lesson the learner should be able	- Explanation -subtraction	- Explanation -subtraction	Metre rule Mathematical	Success Mathematics	Written exercise	

		UREMENT	of mass)	to work out convert mass to simpler units	-demonstration -Discussion	-demonstration -Discussion	set cubes cuboids cylinders	Pupils Bk 8 Pg 103		
	2		Mass (conversion of mass)	By the end of the lesson the learner should be able to work out convert mass to simpler units	- Explanation -subtraction -demonstration -Discussion	- Explanation -subtraction -demonstration -Discussion	Chalkboard layout	Success Mathematics Pupils Bk 8 Pg 103	Written exercise	
	3		Mass (conversion of mass)	By the end of the lesson the learner should be able to work out convert mass to simpler units	- Explanation -subtraction -demonstration -Discussion	- Explanation -subtraction -demonstration -Discussion	Chalkboard layout	Success Mathematics Pupils Bk 8 Pg 103	Written exercise	
	4- 7	**MIXED EXCERCISE**		By the end of the of the topic the learners should be able to attempt the mixed exercise in their books	- Explanation -subtraction -demonstration -Discussion	- Explanation -subtraction -demonstration -Discussion	Exercise books	Success Mathematics Pupils Bk 8 Pg 106	Written exercise	
12-14			Assessment/exams/closing of the school							

LESSO	TOPI	SUB-TOPIC	OBJECTIVES	TEACHER'S	LEANINER'S	LEARNING/	REFERENCES	ASSESS	REMAR