

GRADE THREE

MATHEMATICS GRADE THREE TERM TWO YEAR 2018

WEEK	LESSON	STRAND	SUB-STRAND	SPECIFIC LEARNING OUTCOMES	KEY ENQUIRY QUESTIONS	LEARNING EXPERIENCE	LEARNING RESOURCES	ASSESSMENT METHOD	REFLECTION
1	PREPARATION								
2	1 & 2	Numbers	Subtraction	By the end of the sub-strand, the learner should be able to: a) subtract up to 3- digit numbers without regrouping,	When do you regroup during subtraction?	Learners to work out subtraction of up to 3-digit numbers without regrouping in real life situations.	Realia Charts	Observation Oral Question Written Question	
	3 & 4	Numbers	Subtraction	By the end of the sub-strand, the learner should be able to: a) subtract up to 3- digit numbers without regrouping,	When do you regroup during subtraction?	Learners to work out subtraction of up to 3-digit numbers without regrouping in real life situations.	Realia Charts	Observation Oral Question Written Question	
	5	Numbers	Subtraction	By the end of the sub-strand, the learner should be able to: a) subtract up to 3- digit numbers without regrouping,	When do you regroup during subtraction?	Learners to work out subtraction of up to 3-digit numbers without regrouping in real life situations.	Realia Charts	Observation Oral Question Written Question	
3	1 & 2	Numbers	Subtraction	By the end of the sub-strand, the learner should be able to: a) subtract up to 3- digit	When do you regroup during subtraction?	Learners to work out subtraction of up to 3-digit numbers without	Realia Charts	Observation Oral Question Written	

				numbers without regrouping,		regrouping in real life situations.		Question	
	3	Numbers	Subtraction	By the end of the sub-strand, the learner should be able to: a) subtract up to 3- digit numbers involving missing numbers with single	How do you identify the missing number in a number pattern?	Learners to work out missing numbers in subtraction of up to 3- digit numbers with	Realia Charts	Observation Oral Question Written Question	

				regrouping,		single regrouping using a variety of strategies such as number families.			
	4 & 5	Numbers	Subtraction	By the end of the sub-strand, the learner should be able to: a) subtract up to 3- digit numbers involving missing numbers with single regrouping,	How do you identify the missing number in a number pattern?	Learners to work out missing numbers in subtraction of up to 3- digit numbers with single regrouping using a variety of strategies such as number families.	Realia Charts	Observation Oral Question Written Question	
4	1 & 2	Numbers	Subtraction	By the end of the sub-strand, the learner should be able to: a) subtract up to 3- digit numbers involving missing numbers with single regrouping,	How do you identify the missing number in a number pattern?	Learners to work out missing numbers in subtraction of up to 3- digit numbers with single regrouping using a variety of strategies such as number families.	Realia Charts	Observation Oral Question Written Question	
	3	Numbers	Subtraction	By the end of the sub-strand, the learner should be able to:	How do you identify the missing number in a number pattern?	Learners to play digital games	Realia Charts	Observation Oral Question Written	

				a) subtract up to 3- digit numbers involving missing numbers with single regrouping,		involving subtraction.		Question	
	4 & 5	Numbers	Subtraction	By the end of the sub-strand, the learner should be able to: a) Work out missing numbers in number patterns	How do you identify the missing number in a number pattern?	Learners to discuss how to work out missing numbers in patterns involving	Realia Charts	Observation Oral Question Written Question	

				involving subtraction up to 1000.		subtraction up to 1000.			
5	1 & 2	Numbers	Subtraction	By the end of the sub-strand, the learner should be able to: a) Work out missing numbers in number patterns involving subtraction up to 1000.	How do you identify the missing number in a number pattern?	Learners to discuss how to work out missing numbers in patterns involving subtraction up to 1000.	Realia Charts	Observation Oral Question Written Question	
	3 & 4	Numbers	Subtraction	By the end of the sub-strand, the learner should be able to: a) Work out missing numbers in number patterns involving subtraction up to 1000.	How do you identify the missing number in a number pattern?	Learners to discuss how to work out missing numbers in patterns involving subtraction up to 1000.	Realia Charts	Observation Oral Question Written Question	
	5	Numbers	Subtraction	By the end of the sub-strand, the learner should be able to: a) Work out missing numbers in number patterns involving subtraction up to 1000.	How do you identify the missing number in a number pattern?	Learners to discuss how to work out missing numbers in patterns involving subtraction up to 1000.	Realia Charts	Observation Oral Question Written Question	

6	1	Numbers	Multiplication	By the end of the sub-strand, the learner should be able to: multiply single digit numbers by numbers 1 & 2 in different contexts.	How can you work out multiplication using repeated addition?	Learners in pairs/groups to multiply single digit numbers by numbers 1 & 2 using: a)groups of objects b)repeated addition	Realia Charts	Observation Oral Question Written Question	
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2	Numbers	Multiplication	By the end of the sub-strand, the learner should be able to: multiply single digit numbers by numbers 1 & 2 in different contexts.	How can we get the answer to a multiplication question using the multiplication table?	Learners in pairs/groups to multiply single digit numbers by numbers 1 & 2 using: a)multiplication table.	Realia Charts	Observation Oral Question Written Question
3	Numbers	Multiplication	By the end of the sub-strand, the learner should be able to: multiply single digit numbers by numbers 3 & 4 in different contexts.	How can you work out multiplication using repeated addition?	Learners in pairs/groups to multiply single digit numbers by numbers 3 & 4 using: a)groups of objects b)repeated addition	Realia Charts	Observation Oral Question Written Question
4	Numbers	Multiplication	By the end of the sub-strand, the learner should be able to: multiply single digit numbers by numbers 3 & 4 in different contexts.	How can we get the answer to a multiplication question using the multiplication table?	Learners in pairs/groups to multiply single digit numbers by numbers 3 & 4 using: a)multiplication table.	Realia Charts	Observation Oral Question Written Question
5	Numbers	Multiplication	By the end of the sub-strand, the learner should be able to:	How can you work out multiplication using repeated addition?	Learners in pairs/groups to multiply single digit numbers by	Realia Charts	Observation Oral Question Written

				multiply single digit numbers by numbers 5 & 6 in different contexts.		numbers 5 & 6 using: a)groups of objects b)repeated addition		Question	
6	1	Numbers	Multiplication	By the end of the sub-strand, the learner should be able to: multiply single digit numbers by numbers 5 & 6	How can we get the answer to a multiplication question using the multiplication	Learners in pairs/groups to multiply single digit numbers by numbers 5 & 6	Realia Charts	Observation Oral Question Written Question	

				in different contexts.	table?	using: a)multiplication table.			
	2	Numbers	Multiplication	By the end of the sub-strand, the learner should be able to: multiply single digit numbers by numbers 7 & 8 in different contexts.	How can you work out multiplication using repeated addition?	Learners in pairs/groups to multiply single digit numbers by numbers 7 & 8 using: a)groups of objects b)repeated addition	Realia Charts	Observation Oral Question Written Question	
	3	Numbers	Multiplication	By the end of the sub-strand, the learner should be able to: multiply single digit numbers by numbers 7 & 8 in different contexts.	How can we get the answer to a multiplication question using the multiplication table?	Learners in pairs/groups to multiply single digit numbers by numbers 7 & 8 using: a)multiplication table.	Realia Charts	Observation Oral Question Written Question	
	4	Numbers	Multiplication	By the end of the sub-strand, the learner should be able to: multiply single digit numbers by numbers 9 & 10 in different contexts.	How can you work out multiplication using repeated addition?	Learners in pairs/groups to multiply single digit numbers by numbers 9 & 10 using: a)groups of objects b)repeated addition	Realia Charts	Observation Oral Question Written Question	

	5	Numbers	Multiplication	By the end of the sub-strand, the learner should be able to: multiply single digit numbers by numbers 9 & 10 in different contexts.	How can we get the answer to a multiplication question using the multiplication table?	Learners in pairs/groups to multiply single digit numbers by numbers 9 & 10 using: a) multiplication table. Learners to play digital games	Realia Charts	Observation Oral Question Written Question	
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						involving multiplication.			
7	1	Numbers	Division	By the end of the sub-strand, the learner should be able to: a) represent division as repeated subtraction up to 5 times,	How can we divide numbers using subtraction?	Learners to take away from a group a specific number of objects at a time until all are finished and then count the number of small groups formed.	Realia Charts	Observation Oral Question Written Question	
	2	Numbers	Division	By the end of the sub-strand, the learner should be able to: a) represent division as repeated subtraction up to 5 times,	How can we divide numbers using subtraction?	Learners to take away from a group a specific number of objects at a time until all are finished and then count the number of small groups formed.	Realia Charts	Observation Oral Question Written Question	
	3	Numbers	Division	By the end of the sub-strand, the learner should be able to: a) represent division as repeated subtraction up to 5 times,	How can we divide numbers using subtraction?	Learners to represent division as repeated subtraction up to 5 times.	Realia Charts	Observation Oral Question Written Question	

	4	Numbers	Division	By the end of the sub-strand, the learner should be able to: a) represent division as repeated subtraction up to 5 times,	How can we divide numbers using subtraction?	Learners to represent division as repeated subtraction up to 5 times.	Realia Charts	Observation Oral Question Written Question	
	5	Numbers	Division	By the end of the sub-strand, the learner should be able to:	How can we use the multiplication table to work out	Learners to discuss the relationship	Realia Charts	Observation Oral Question	

				a)show relationship between multiplication and division using mathematical sentences up to $9 \times 10 = 90$.	division questions?	between division and multiplication using the multiplication table.		Written Question	
8	1	Numbers	Division	By the end of the sub-strand, the learner should be able to: a)show relationship between multiplication and division using mathematical sentences up to $9 \times 10 = 90$.	How can we use the multiplication table to work out division questions?	Learners to discuss the relationship between division and multiplication using the multiplication table.	Realia Charts	Observation Oral Question Written Question	
	2	Numbers	Division	By the end of the sub-strand, the learner should be able to: a)show relationship between multiplication and division using mathematical sentences up to $9 \times 10 = 90$.	How can we use the multiplication table to work out division questions?	Learners in pairs/ groups to practice how to divide numbers related to multiplication of up to $9 \times 10 = 90$. Learners to play digital games involving division.	Realia Charts	Observation Oral Question Written Question	
	3	Numbers	Division	By the end of the sub-strand, the learner should be able to:	How can we use the multiplication table to work out	Learners in pairs/ groups to practice how to divide	Realia Charts	Observation Oral Question	

			a)show relationship between multiplication and division using mathematical sentences up to $9 \times 10 = 90$.	division questions?	numbers related to multiplication of up to $9 \times 10 = 90$. Learners to play digital games involving division.	Written Question	
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	4	Measurement	Length	By the end of the sub-strand, the learner should be able to: a) measure length in metres,	How do you measure the chalkboard using a metre stick?	Learners in pairs/groups to use metre sticks to measure various distances and record their results.	Realia Charts	Observation Oral Question Written Question	
	5	Measurement	Length	By the end of the sub-strand, the learner should be able to: a) measure length in metres,	How do you measure the chalkboard using a metre stick?	Learners to prepare 5 metres long strings with knots at intervals of one metre to measure long distances.	Realia Charts	Observation Oral Question Written Question	
9	1	Measurement	Length	By the end of the sub-strand, the learner should be able to: a) add and subtract length in metres,	How do you get the total length in metres of the 4 classroom walls?	Learners in groups to measure the lengths of the 4 walls in their classroom and add the lengths.	Realia Charts	Observation Oral Question Written Question	
	2	Measurement	Length	By the end of the sub-strand, the learner should be able to: a) add and subtract length in metres,	How do you get the difference in of the chalkboard and the wall it is fixed.	Learners to measure the length of the chalkboard and the wall it is fixed and work out the difference in length.	Realia Charts	Observation Oral Question Written Question	

						Learners to work out questions involving addition and subtraction of length in metres based on real life situations.			
	3	Measurement	Length	By the end of the sub-	How do you	Learners in	Realia	Observation	

				strand, the learner should be able to: a) estimate length up to 20 metres.	measure the distance between the flag post and the staffroom using a 5 metres long string?	pairs/groups to estimate distances around the school up to 20 metres and measure to confirm. Learners to take videos of others measuring length then playback and discuss.	Charts	Oral Question Written Question	
	4	Measurement	Length	By the end of the sub-strand, the learner should be able to: a) estimate length up to 20 metres.	How do you measure the distance between the flag post and the staffroom using a 5 metres long string?	Learners in pairs/groups to estimate distances around the school up to 20 metres and measure to confirm. Learners to take videos of others measuring length then playback and discuss.	Realia Charts	Observation Oral Question Written Question	
	5	Measurement	Mass	By the end of the sub-strand, the learner should be able to: a) measure mass in kilograms,	How can you make a 1kg mass using a beam balance?	Learners to measure mass in kilograms using a beam balance.	Realia Charts	Observation Oral Question Written Question	

10	1	Measurement	Mass	By the end of the sub-strand, the learner should be able to: a) measure mass in kilograms,	How can you make a 1kg mass using a beam balance?	Learners to make masses of 1kg using sand/ soil by measuring against the kilogram standard unit.	Realia Charts	Observation Oral Question Written Question	
	2	Measurement	Mass	By the end of the sub-strand, the learner should be able to:	How can you make a 1kg mass using a beam balance?	Learners to add and subtract mass in kilograms in	Realia Charts	Observation Oral Question	

				a) add and subtract mass in kilograms,		real life situations.		Written Question	
	3	Measurement	Mass	By the end of the sub-strand, the learner should be able to: a) add and subtract mass in kilograms,	How can you make a 1kg mass using a beam balance?	Learners to use a 5kg mass to compare other masses.	Realia Charts	Observation Oral Question Written Question	
	4	Measurement	Mass	By the end of the sub-strand, the learner should be able to: a) estimate mass up to 5 kilograms.	How can you make a 1kg mass using a beam balance?	Learners to estimate mass up to 5kg and measure to confirm.	Realia Charts	Observation Oral Question Written Question	
	5	Measurement	Mass	By the end of the sub-strand, the learner should be able to: a) estimate mass up to 5 kilograms.	How can you make a 1kg mass using a beam balance?	Learners to estimate mass up to 5kg and measure to confirm. Learners to play digital games involving mass.	Realia Charts	Observation Oral Question Written Question	
11	1	Measurement	Capacity		What can we use to measure capacity?	Learners in pairs/groups	Realia Charts	Observation Oral	

				By the end of the sub-strand, the learner should be able to: a) measure capacity in litres,		measure capacity of different containers in litres.		Question Written Question	
	2	Measurement	Capacity	By the end of the sub-strand, the learner should be able to: a) measure capacity in litres,	What can we use to measure capacity?	Learners in pairs/groups measure capacity of different containers in	Realia Charts	Observation Oral Question Written Question	

						litres.			
	3	Measurement	Capacity	By the end of the sub-strand, the learner should be able to: a) add and subtract capacity in litres,	What can we use to measure capacity?	Learners to add and subtract capacity in litres in real life situations.	Realia Charts	Observation Oral Question Written Question	
	4	Measurement	Capacity	By the end of the sub-strand, the learner should be able to: a) add and subtract capacity in litres,	What can we use to measure capacity?	Learners to add and subtract capacity in litres in real life situations.	Realia Charts	Observation Oral Question Written Question	
	5	Measurement	Capacity	By the end of the sub-strand, the learner should be able to: a) add and subtract capacity in litres,	What can we use to measure capacity?	Learners to add and subtract capacity in litres in real life situations.	Realia Charts	Observation Oral Question Written Question	
12	1 & 2	Measurement	Capacity	By the end of the sub-strand, the learner should be able to: a) estimate capacity up to 5 litres.	What can we use to measure capacity?	Learners to estimate capacity up to 5 litres and measure to confirm.	Realia Charts	Observation Oral Question Written Question	
		Measurement	Capacity	By the end of the sub-	What can we use to	Learners to	Realia	Observation	

	3		strand, the learner should be able to: a) estimate capacity up to 5 litres.	measure capacity?	estimate capacity up to 5 litres and measure to confirm. Learners play digital games involving capacity.	Charts	Oral Question Written Question	
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	4	Measurement	Time	By the end of the sub-strand, the learner should be able to: a) identify the minute as a unit of measuring time,	How do we convert hours to minutes?	Learners to discuss the divisions on a clock face and what each division represents.	Realia Charts	Observation Oral Question Written Question	
	5	Measurement	Time	By the end of the sub-strand, the learner should be able to: a) identify the minute as a unit of measuring time,	How do we convert hours to minutes?	Learners to discuss the divisions on a clock face and what each division represents.	Realia Charts	Observation Oral Question Written Question	
13	1 & 2	Measurement	Time	By the end of the sub-strand, the learner should be able to: b) read and tell time using the digital clock,	How do we convert hours to minutes?	Learners to read time on a digital clock	Realia Charts	Observation Oral Question Written Question	
	3	Measurement	Time	By the end of the sub-strand, the learner should be able to: b) read and tell time using the digital clock,	How do we convert hours to minutes?	Learners in pairs/groups to discuss the relationship between hours and minutes using a clock face.	Realia Charts	Observation Oral Question Written Question	
	4 & 5	Measurement	Time	By the end of the sub-strand, the learner should be able to:	How do we convert hours to minutes?	Learners in pairs/groups to read, tell and write	Realia Charts	Observation Oral Question	

				c)read and tell time using 'past' and 'to' the hour using the clock face, d)write time using 'past' and 'to' the hour,		time using 'past' and 'to' the hour.		Written Question	
14		C.A.T							