

**SUBJECT: MATHEMATICS SCHEMES OF WORK GRADE 3 Term 1 2020**

WEEK	IESSON	STRANDS	S-STRAND	SPECIFIC LEARNING OUTCOMES	KEY INQUIRY QUESTIONS	LEARNING EXPERIENCES	LEARNING RESOURCES	ASSESSMENT	REF
1	1-5								
2	1-5	<b>Numbers</b>	Number Concept	By the end of the sub-strand, the learner should be able to: use ordinal numbers to identify position from 1-20	In which position were you when you came to class in the morning?	<input type="checkbox"/> Learners in pairs/groups to arrange different items in order of size starting with the smallest. <input type="checkbox"/> Learners to identify the position of an object from a reference point using first, second up to 20 <sup>th</sup> . <input type="checkbox"/> Learners in groups to run for a distance and each to identify their position using the words first, second up to 20 <sup>th</sup> position. <input type="checkbox"/> Learners in pairs/groups to relate numbers 1 –20 to positions first, second up to 20 <sup>th</sup> using concrete objects. <input type="checkbox"/> Learners to play digital games involving position 1 <sup>st</sup>	<b>Counters charts</b>	<b>1.Observation 2.Oral questions 3.written questions</b>	
3	1-5		Number Concept	By the end of the sub-strand, the learner should be able to: use ordinal numbers to identify position from 1-20	In which position were you when you came to class in the morning?	<input type="checkbox"/> Learners in pairs/groups to arrange different items in order of size starting with the smallest. <input type="checkbox"/> Learners to identify the position of an object from a reference point using first, second up to 20 <sup>th</sup> . <input type="checkbox"/> Learners in groups to run for a distance and each to identify their position using the words first, second up to 20 <sup>th</sup> position.	<b>Counters charts</b>	<b>.Observation 2.Oral questions 3.written questions</b>	

						<input type="checkbox"/> Learners in pairs/groups to relate numbers 1 –20 to positions first, second up to 20 <sup>th</sup> using concrete objects. <input type="checkbox"/> Learners to play digital games involving position 1 <sup>st</sup>			
4	1-5			<p>By the end of the sub-strand, the learner should be able to:</p> <p>a) count numbers forward and backward from 1-1000,  b) identify place value up to thousands,  c) read numbers 1-1000 in symbols,  d) read and write numbers 1-100 in words,  e) identify missing numbers in number patterns up to 1000,  f) appreciate number patterns as they skip on a number line.</p>	How would you get the total number of people in a group?	<p>Learners in pairs/groups to count in 2's and 5's forward and backward starting from any point.</p> <input type="checkbox"/> Learners in pairs/groups to count their fingers and toes in 2's and 10's forward and backward starting from any point. <input type="checkbox"/> Learners in pairs / groups to discuss place value up to thousands. <input type="checkbox"/> Learners in pairs / groups to compete reading numbers 1-1000 in symbols. <input type="checkbox"/> Learners to read and write numbers 1-100 in words. <input type="checkbox"/> Learners to play digital games involving whole numbers. <input type="checkbox"/> Learners in pairs/groups to make number patterns up to 1000 and share with other groups	<b>Counters Charts</b>	.Observation 2.Oral questions 3.written questions	
5	1-5			<p>By the end of the sub-strand, the learner should be able to:</p> <p>a) count numbers forward and backward from 1-1000,  b) identify place value up to thousands,  c) read numbers 1-1000 in symbols,  d) read and write numbers 1-100 in</p>	How would you get the total number of people in a group?	<p>Learners in pairs/groups to count in 2's and 5's forward and backward starting from any point.</p> <input type="checkbox"/> Learners in pairs/groups to count their fingers and toes in 2's and 10's forward and backward starting from any point.	<b>Counters charts</b>		

				<p>words,</p> <p>e) identify missing numbers in number patterns up to 1000,</p> <p>f) appreciate number patterns as they skip on a number line.</p>		<ul style="list-style-type: none"> <li><input type="checkbox"/> Learners in pairs / groups to discuss place value up to thousands.</li> <li><input type="checkbox"/> Learners in pairs / groups to compete reading numbers 1-1000 in symbols.</li> <li><input type="checkbox"/> Learners to read and write numbers 1-100 in words.</li> <li><input type="checkbox"/> Learners to play digital games involving whole numbers.</li> <li><input type="checkbox"/> Learners in pairs/groups to make number patterns up to 1000 and share with other groups</li> </ul>			
6	1-5			<p>By the end of the sub-strand, the learner should be able to:</p> <p>a) count numbers forward and backward from 1-1000,</p> <p>b) identify place value up to thousands,</p> <p>c) read numbers 1-1000 in symbols,</p> <p>d) read and write numbers 1-100 in words,</p> <p>e) identify missing numbers in number patterns up to 1000,</p> <p>f) appreciate number patterns as they skip on a number line.</p>	How would you get the total number of people in a group?	<p>Learners in pairs/groups to count in 2's and 5's forward and backward starting from any point.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Learners in pairs/groups to count their fingers and toes in 2's and 10's forward and backward starting from any point.</li> <li><input type="checkbox"/> Learners in pairs / groups to discuss place value up to thousands.</li> <li><input type="checkbox"/> Learners in pairs / groups to compete reading numbers 1-1000 in symbols.</li> <li><input type="checkbox"/> Learners to read and write numbers 1-100 in words.</li> <li><input type="checkbox"/> Learners to play digital games involving whole numbers.</li> <li><input type="checkbox"/> Learners in pairs/groups to make number patterns up to 1000 and share with other groups</li> </ul>	<b>Counters Charts</b>	. <b>Observation</b> <b>2.Oral questions</b> <b>3.written questions</b>	
7	1-5			<p>By the end of the sub-strand, the learner should be able to:</p> <p>a) count numbers forward and</p>	How would you get the total	Learners in pairs/groups to count in 2's and 5's forward and backward starting from any point.	<b>Counters charts</b>	. <b>Observation</b> <b>2.Oral</b>	

				backward from 1-1000, b) identify place value up to thousands, c) read numbers 1-1000 in symbols, d) read and write numbers 1-100 in words, e) identify missing numbers in number patterns up to 1000, f) appreciate number patterns as they skip on a number line.	number of people in a group?	<input type="checkbox"/> Learners in pairs/groups to count their fingers and toes in 2's and 10's forward and backward starting from any point. <input type="checkbox"/> Learners in pairs / groups to discuss place value up to thousands. <input type="checkbox"/> Learners in pairs / groups to compete reading numbers 1-1000 in symbols. <input type="checkbox"/> Learners to read and write numbers 1-100 in words. <input type="checkbox"/> Learners to play digital games involving whole numbers. <input type="checkbox"/> Learners in pairs/groups to make number patterns up to 1000 and share with other groups		questions 3.written questions
8	1-5	Numbers	<b>Fractions</b>	By the end of the sub-strand the learner should be able to: a) identify $\frac{1}{2}$ , $\frac{1}{4}$ and $\frac{1}{8}$ as part of a whole. b) identify $\frac{1}{2}$ , $\frac{1}{4}$ and 18 as part of a group.	How can you represent a half, a quarter or an eighth of a group?	Learners in pairs /groups to make circular cut-outs. <input type="checkbox"/> Learners in pairs /groups to fold circular cut-outs into 2 equal parts and identify one part as $\frac{1}{2}$ of the whole. <input type="checkbox"/> Learners in pairs /groups to make rectangular cut-outs and fold them into 4 equal parts to get a quarter of a whole and identify each part as $\frac{1}{4}$ of the whole. <input type="checkbox"/> Learners in pairs /groups to make rectangular cut-outs and fold to get 8 equal parts and identify one part as $\frac{1}{8}$ of the whole. <input type="checkbox"/> Learners in pairs /groups to divide a number of objects into 2 equal groups and identify each of the small		.Observation 2.Oral questions 3.written questions

						<p>groups as <math>\frac{1}{2}</math> of the whole group.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Learners in pairs /groups to divide a number of objects into 4 equal groups and identify each of the small groups as <math>\frac{1}{4}</math> of the whole group.</li> <li><input type="checkbox"/> Learners in pairs /groups to divide a number of objects into 8 equal groups and identify each of the small groups as <math>\frac{1}{8}</math> of the whole group.</li> </ul>			
9	1-5		Fractions	<p>By the end of the sub-strand the learner should be able to:</p> <p>a) identify <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math> and <math>\frac{1}{8}</math> as part of a whole.</p> <p>b) identify <math>\frac{1}{2}</math>, <math>\frac{1}{4}</math> and <math>\frac{1}{8}</math> as part of a group.</p>	<p>How can you represent a half, a quarter or an eighth of a group?</p>	<p>Learners in pairs /groups to make circular cut-outs.</p> <ul style="list-style-type: none"> <li><input type="checkbox"/> Learners in pairs /groups to fold circular cut-outs into 2 equal parts and identify one part as <math>\frac{1}{2}</math> of the whole.</li> <li><input type="checkbox"/> Learners in pairs /groups to make rectangular cut-outs and fold them into 4 equal parts to get a quarter of a whole and identify each part as <math>\frac{1}{4}</math> of the whole.</li> <li><input type="checkbox"/> Learners in pairs /groups to make rectangular cut-outs and fold to get 8 equal parts and identify one part as <math>\frac{1}{8}</math> of the whole.</li> <li><input type="checkbox"/> Learners in pairs /groups to divide a number of objects into 2 equal groups and identify each of the small groups as <math>\frac{1}{2}</math> of the whole group.</li> <li><input type="checkbox"/> Learners in pairs /groups to divide a number of objects into 4 equal groups and identify each of the small groups as <math>\frac{1}{4}</math> of the whole group.</li> <li><input type="checkbox"/> Learners in pairs /groups to divide a number of objects into 8 equal</li> </ul>	Counters charts	<p>.Observation</p> <p>2.Oral questions</p> <p>3.written questions</p>	

						groups and identify each of the small groups 18 of the			
1 0	1- 5	<b>Numbers</b>	Addition	By the end of the sub-strand, the learner should be able to: a) add a 3- digit number to up to a 2 - digit number without regrouping with sum not exceeding 1000, b) add a 3- digit number to up to a 2- digit number with single regrouping with sum not exceeding 1000, c) add three single digit numbers with sum up to 27, d) add two 3- digit numbers without regrouping,	1) How do you arrange numbers when adding vertically 2) How do you identify the first two numbers to add when adding three single digit numbers? 3) How can you get the next number in a given pattern?	<input type="checkbox"/> Learners to add up to two 3- digit numbers without and with regrouping with sum not exceeding 1000. <input type="checkbox"/> Learners to practice adding horizontally and vertically. <input type="checkbox"/> Learners in pairs to come up with different ways of adding 3- single digit numbers. <input type="checkbox"/> Learners to play digital games involving addition. <input type="checkbox"/> Learners to create and work out missing numbers in patterns involving addition up to 1000.	<b>Counters Charts</b>	<b>.Observation 2.Oral questions 3.written questions</b>	
1 1	1- 5	<b>Numbers</b>	Addition	By the end of the sub-strand, the learner should be able to: a) add a 3- digit number to up to a 2 - digit number without regrouping with sum not exceeding 1000, b) add a 3- digit number to up to a 2- digit number with single regrouping with sum not exceeding 1000,	1) How do you arrange numbers when adding vertically	<input type="checkbox"/> Learners to add up to two 3- digit numbers without and with regrouping with sum not exceeding 1000. <input type="checkbox"/> Learners to practice adding horizontally and vertically. <input type="checkbox"/> Learners in pairs to come up with different ways of adding 3- single	<b>Counters charts</b>	<b>.Observation 2.Oral questions 3.written questions</b>	

				<p>c) add three single digit numbers with sum up to 27,  d) add two 3- digit numbers without regrouping,  e) add two 3- digit numbers with single regrouping with sum not exceeding 1000,  f) work out missing numbers in patterns involving addition up to 1000,  g) create number patterns involving addition up to 1000</p>	<p>2) How do you identify the first two numbers to add when adding three single digit numbers?  3) How can you get the next number in a given pattern?</p>	<p>digit numbers.  <input type="checkbox"/> Learners to play digital games involving addition.  <input type="checkbox"/> Learners to create and work out missing numbers in patterns involving addition up to 1000.</p>		<b>ns</b>	
1 2	1- 5		Addition	<p>By the end of the sub-strand, the learner should be able to:</p> <p>a) add two 3- digit numbers without regrouping,  b) add two 3- digit numbers with single regrouping with sum not exceeding 1000,b  c) work out missing numbers in patterns involving addition up to 1000,  d) create number patterns involving addition up to 1000</p>	<p>1) How do you arrange numbers when adding vertically  2) How do you identify the first two numbers to add when adding three single digit numbers?  3) How can</p>	<p><input type="checkbox"/> Learners to add up to two 3- digit numbers without and with regrouping with sum not exceeding 1000.  <input type="checkbox"/> Learners to practice adding horizontally and vertically.  <input type="checkbox"/> Learners in pairs to come up with different ways of adding 3- single digit numbers.  <input type="checkbox"/> Learners to play digital games involving addition.  <input type="checkbox"/> Learners to create and work out missing numbers in patterns involving addition up to 1000.</p>	<b>Counters charts</b>	<b>.Observation 2.Oral questions 3.written questions</b>	

					you get the next number in a given pattern?				
1 3 \$ 1 4	1- 5		CAT	CAT		CAT			