| | Data H | andling | | M | easurement | | Sha | ape and space | 2 | Patte | rn and Func | tion | | Numbers | | |
|-------------|--|---|--|---|--|---|--|--|---|--|---|-----------------------------|--|--|--|--|
| | | Y 1 | | | PY1 | | | PY 1 | | | PY 1 | | | PY 1 | | |
| ctation | Learners will develop an understanding of how the collection and organization of information helps to make sense of the world. They will sort, describe and label | understand how information can be expressed as | | understanding of how measurement involves the comparison of objects and the ordering and sequencing of events. They will be able to identify, compare and | Learners will understand how information can be expressed as organized and structured data and that this can occur in a range of ways. They will collect and represent data in | | | work with 2D and 3D shapes, developing the understanding that shapes are classified and named according to their properties. They will understand that examples of symmetry | | Learners will understand that patterns and sequences occur in everyday situations. They will be able to identify, describe, | Learners will understand that whole numbers exhibit patterns and relationships that can be observed and described, and that the patterns can be represented using numbers and other symbols. As a result, learners will understand the inverse | | Learners will understand that numbers are used for many different purposes in the real world. They will develop an understanding of one- | Learners will develop their understanding of the base 10 place value system and will model, read, write, estimate, compare and order numbers to hundreds or beyond. They will have automatic recall of addition and | | |
| Expe | objects by attributes and represent information in graphs including pictographs and tally marks. The learners will discuss chance in daily events. | different types of graphs, interpreting the resulting information for the purpose of answering questions. | | describe attributes of real objects as well as describe and sequence familiar events in their daily routine. | different types of graphs, interpreting the resulting information for the purpose of answering questions. | | to describe paths, regions and boundaries of their immediate environment. | and transformations can be found in their immediate environment. | | extend and create patterns in various ways. | relationship between addition and subtraction, and the associative and commutative properties of addition. | | conservation of number, and be able to count and use number words and numerals to | subtraction facts and be able to model addition and subtraction of whole numbers using the appropriate mathematical language to describe their mental and written strategies. | | |
| /erall | | | | | The learners will develop an understanding that some events in daily life are more likely to happen than others and they will identify and describe likelihood using appropriate vocabulary. | | | Learners will interpret, create and use simple directions and specific vocabulary to describe paths, regions, positions and boundaries of their immediate environment. | | | They will be able to use their understanding of pattern to represent and make sense of real-life situations and, where appropriate, to solve problems involving addition and subtraction. | | | Learners will have an understanding of fractions as representations of whole-part relationships and will be able to model fractions and use fraction names in real-life situations. | | |
| ó | | | | | The learners will develop an understanding that some events in daily life are more likely to happen than others and they will identify and describe likelihood using appropriate vocabulary. | | | | | | | | | | | |
| ual ndin | | | | Measurement involves comparing objects and events. | Standard units allow us to have a common language to identify, compare, order and sequence objects and events. | | Shapes can be described and organized according to their properties. | | | Patterns and sequences occur in everyday situations. | | | Numbers are a naming system. | | | |
| ta p | We collect information to make sense of the world around us. | | | Objects have attributes that can be measured using non-standard units. | | | Objects in our immediate environment have a position in space that can be described according to a point of reference. | | | Patterns repeat and grow. | | | | | | |
| S | Organizing objects and events helps us to solve problems. | Objects and events can be organized in different ways. | | | | | | | | | | | Numbers are connected to each other through a variety of relationships. | | | |
| Conc | Events in daily life involve chance. | | | | | | | | | | | | Making connections between our experiences with number can help us to develop number sense. | | | |
| | | | | | | | | | | | | | | | | |
| | PY 1 (Learni | ng Outcomes) | | PY 1 | Learning Outcomes | s) | PY 1 | (Learning Outcome | :) | PY 1 | (Learning Outcome | 26) | PY 1 | (Learning Outcome | es) | |
| | Constructing Meaning | Transfering Meaning | Applying with understanding | Constructing Meaning | Transfering Meaning | | Constructing Meaning | | Applying with understanding | Constructing Meaning | ` | Applying with understanding | Constructing Meaning | \ J | Applying with understanding | |
| | understand that sets can be organized by different attributes | represent information through pictographs and tally marks | create pictographs and tally marks | understand that attributes of real objects can be compared and described, for example, longer, shorter, heavier, empty, full, hotter, colder | | events and objects | | sort, describe and compare 3D shapes | sort, describe and compare 3D shapes | understand that patterns can be found in everyday situations, for example, sounds, actions, objects, nature. | various ways, for example, using words, drawings, symbols, | extend and create patterns. | | connect number names and numerals to the quantities they represent. | count to determine the number of objects in a set | |
| | understand that information about themselves and their surroundings can be obtained in different ways | - | create living graphs using real objects and people | | compare the length, mass and capacity of objects using non- standard units | units of • measurement to solve problems in real-life situations | direction, for example, inside, outside, above, below, next to, behind, in | | describe position and direction, for example, inside, outside, above, below, next to, behind, in front of, up, down | | represent patterns in a variety of ways, for example, using words, drawings, symbols, materials, actions, numbers | | understand that, for a set of objects, the number name of the last object counted describes the quantity of the whole set | | use number words and numerals to represent quantities in real-life situations | |
| | discuss chance in daily events (impossible, maybe, certain). | | describe real objects and events by attributes. | understand the use of standard units to measure, for example, length, mass, money, time, temperature | | | | sort, describe and label 2D and 3D shapes | | | | | understand that numbers can be constructed in multiple ways, for example, by combining and partitioning • understand conservation of number* | | | |
| | understand that sets can be organized by one or more attributes | | | | | | | | | | | | understand the relative magnitude of whole numbers | | | |
| | | | | | read and write the time to the hour, half hour and quarter hour | | | | | | | | | | use simple fraction names in real-life situations. | |
| | ı | | | understand that time is measured using universal units of measure, for example, years, months, days, hours, minutes and seconds. | | | | | | | | | understand whole-part relationships | | | |

| | Data H | landling | M | leasurement | Sha | ape and space | Patte | rn and Function | | Numbers | |
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| | | | | | | | | | | | |
| _ | | | | | | | | | use the language of addition and subtraction, for example, add, take away, plus, minus, sum, difference | | |
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| | Р | Y2 | | PY2 | | PY 2 | | PY 2 | | PY 2 | |
| ectation | Learners will understand how information can be expressed as organized and structured data and that this can occur in a range of ways | Learners will continue to collect, organize, display and analyse data, developing an understanding of how different graphs highlight different aspects of data more efficiently. | that standard units allow us to have a common language to measure and describe objects and events, and that while estimation is a strategy that can be applied for approximate measurements, particular tools allow us to measure and describe attributes of objects and events with more | measure objects, in | understanding that | Learners will sort, describe and model regular and irregular polygons, developing an understanding of their properties. | Learners will understand that whole numbers exhibit patterns and relationships that can be observed and described, and that the patterns can be represented using numbers and other symbols. | Learners will analyse patterns and identify rules for patterns, developing the understanding that functions describe the relationship or rules that uniquely associate members of one set with members of another set. | Learners will develop their understanding of the base 10 place value system and will model, read, write, estimate, compare and order numbers to hundreds or beyond. | representing whole-part | |
| all Exp | represent data in different types of graphs, interpreting the resulting | They will understand that scale can represent different quantities in graphs and that mode can be used to summarize a set of data. | these understandings in relation to measurement involving length, mass, capacity, money, | | They will understand that examples of symmetry and transformations can be found in their immediate environment. | | will understand the inverse relationship between addition and | They will understand the inverse relationship between multiplication and division, and the associative and commutative properties of multiplication. | | They will be able to model, read, write, compare and order fractions, and use them in real-life situations. | |
| Over | some events in daily life are more likely to | | | The learners will be given the opportunity to construct meaning about the concept of an angle as a measure of rotation. | directions and specific | develop their understanding of symmetry, in particular reflective and rotational | their understanding of pattern to represent and make sense of real-life situations and, where appropriate, to solve problems | pattern and function to represent and make | - | Learners will have automatic recall of addition, subtraction, multiplication and division facts. | |
| | | | | | | They will understand how geometric shapes and associated vocabulary are useful for representing and describing objects and events in real-world situations. | | | | They will select, use and describe a range of strategies to solve problems involving addition, subtraction, multiplication and division, using estimation strategies to check the reasonableness of their answers. | |
| lal din | Information can be expressed as organized and structured data. | Data can be collected, organized, displayed and analysed in different ways. | Standard units allow us to have a common language to identify, compare, order and sequence objects and events. | | Shapes are classified and named according to their properties. | Changing the position of a shape does not alter its properties. | Whole numbers exhibit patterns and relationships that can be observed and described. | relationships or rules that | | | |

Conceptu Understan

| | Data H | andling | | M | easurement | | Sha | ape and space | е | Patte | ern and Func | tion | | Numbers | |
|----|--|---|--|--|---|---|--|--|--|--|--|---|--|--|--|
| С | Objects and events | Different graph forms highlight different aspects of data more | | We use tools to measure the attributes of objects and events. | | | | Shapes can be transformed | | Patterns can be represented using numbers and other | By analysing patterns and identifying rules for patterns it is possible to make predictions. | | | | |
| li | ife are more likely to | efficiently Probability can be based on experimental events in daily life. | | Estimation allows us to measure with different levels of accuracy. | | | Specific vocabulary can be used to describe an object's position in space. | Geometric shapes and vocabulary are useful for representing and describing objects and events in real-world situations | | symbols. | make predictions. | | | | |
| | | Probability can be expressed in numerical notations. | | | | | | | | | | | | | |
| | DV 2/ Loornin | ng Outcomes) | | DV 2 | Learning Outcome | 0) | DV 2 | (Learning Outcome | | DV 2 | (Learning Outcome | 20) | DV 2 | (Learning Outcom | 20) |
| C | • | , | Applying with understanding | Constructing Meaning | Learning Outcome Transfering Meaning | Applying with understanding | Constructing Meaning | (Learning Outcomes Transfering Meaning | Applying with understanding | Constructing Meaning | (Learning Outcome Transfering Meaning | Applying with understanding | | (Learning Outcome Transfering Meaning | Applying with understanding |
| (| | data in different types of | collect, display and interpret data for the | understand the use of standard units to measure, for example, length, mass, money, time, temperature | estimate and measure objects using standard units of measurement: length, mass, capacity, money and temperature | estimate and measure objects using standard units of measurement: length, mass, capacity, money and temperature | relationships among and | sort, describe and label 2D and 3D shapes | analyse and use what they know | understand that patterns can be found in numbers, for example, odd and even numbers, skip counting | represent patterns in a variety of ways, for example, using words, drawings, symbols, materials, actions, numbers | extend and create patterns in numbers, for example, odd and even numbers, skip counting | model numbers to hundreds or beyond using the base 10 place value system | read and write whole numbers up to hundreds or beyond | use whole numbers up to hundreds or beyond in real-life situations |
| 5 | understand that information about themselves and their surroundings can be collected and recorded in different ways | represent the relationship between objects in sets using tree, Venn and Carroll diagrams | create a pictograph and sample bar graph of real objects and interpret data by comparing quantities (for example, more, fewer, less than, greater than) | understand that tools can be used to measure | read and write the time to the hour, half hour and quarter hour | · · · · · · · · · · · · · · · · · · · | understand that 2D and 3D shapes can be created by putting together and/or taking apart other shapes | analyse and describe the relationships between 2D and 3D shapes | recognize and explain simple symmetrical designs in the environment | understand the inverse relationship between addition and subtraction | for example, odd and | use number patterns to represent and understand real-life situations | estimate quantities to 100 or beyond | read, write, compare and order cardinal and ordinal numbers | |
| | understand the concept of chance in daily events (impossible, less likely, maybe, most likely, certain). | express the chance of an event happening using words or phrases (impossible, less likely, maybe, most likely, certain) | use tree, Venn and Carroll diagrams to explore relationships between data | understand that calendars can be used to determine the date, and to identify and sequence days of the week and months of the year | estimate and compare lengths of time: second, minute, hour, day, week and month. | estimate and compare lengths of time: second, minute, hour, day, week and month. | understand that examples of symmetry and transformations can be found in their immediate environment | create and describe symmetrical and tessellating patterns | apply knowledge of symmetry to problem-solving situations | understand the associative and commutative properties of addition. | represent the rule of a pattern by using a function | use the properties and relationships of addition and subtraction to solve problems. | model simple fraction relationships | describe mental and written strategies for adding and subtracting two-digit numbers. | use fast recall of addition and subtraction number facts in real-life situations |
| | understand that data can be collected, displayed and interpreted using simple graphs, for example, bar graphs, line graphs | collect, display and interpret data using simple graphs, for example, bar graphs, line graphs | identify and describe chance in daily events (impossible, less likely, maybe, most likely, certain). | understand that time is measured using universal units of measure, for example, years, months, days, hours, minutes and seconds. | estimate and measure using standard units of measurement: perimeter, area and volume | estimate and measure using standard units of measurement: perimeter, area and volume | understand that geometric shapes are useful for representing real-world situations | identify lines of reflective symmetry | interpret and use simple directions, describing paths, regions, positions and boundaries of their immediate environment. | understand that patterns can be analysed and rules identified | escribe the rule for a pattern in a variety of ways | select appropriate methods for representing patterns, for example using words, symbols and tables | use the language of addition and subtraction, for example, add, take away, plus, minus, sum, difference | read, write, compare and order whole numbers up to thousands or beyond | use fractions in real- life situations |
| ; | understand that scale an represent different quantities in graphs | identify, read and interpret range and scale on graphs | design a survey and systematically collect, organize and display data in pictographs and bar graphs | understand the use of standard units to measure perimeter, area and volume | describe measures that fall between numbers on a scale | describe measures that fall between numbers on a scale | can be used to describe | represent ideas about the real world using geometric vocabulary and symbols, for example, through oral description, drawing, modelling, labelling | analyse and describe 2D and | understand that multiplication is repeated addition and that division is repeated subtraction | | use number patterns to make predictions and solve problems | model addition and subtraction of whole numbers | develop strategies for memorizing addition, subtraction, multiplication and division number facts | use mental and written strategies for addition and subtraction of two- digit numbers or beyond in real-life situations |
| n | understand that the mode can be used to summarize a set of data | identify the mode of a set of data | select appropriate graph form(s) to display data | | read and write digital and analogue time on 12-hour and 24-hour clocks. | | measure of rotation | interpret and create simple directions, describing paths, regions, positions and boundaries of their immediate environment. | identify, describe | understand the inverse relationship between multiplication and division | | | memorizing addition and subtraction number | read, write, compare and order fractions | select an appropriate method for solving a problem, for example, mental estimation, mental or written strategies, or by using a calculator |
| d | inderstand that one of the purposes of a database is to answer questions and solve problems | use tree diagrams to express probability using simple fractions. | interpret range and scale on graphs | understand relationships between units, for example, metres, centimetres and millimetres | | | understand the common language used to describe shapes | sort, describe and model regular and irregular polygons | recognize and explain symmetrical patterns, including tessellation, in the environment | understand the associative and commutative properties of multiplication. | | | estimate sums and differences | read and write equivalent fractions | use strategies to evaluate the reasonableness of answers. |
| | understand that robability is based on experimental events. | | use probability to determine mathematically fair and unfair games and to explain possible outcomes | understand an angle as a measure of rotation. | | | understand the properties of regular and irregular polygons | describe and model congruency and similarity in 2D shapes | apply knowledge of | | | | model numbers to thousands or beyond using the base 10 place value system | order fractions to | use whole numbers up to thousands or beyond in real-life situations |
| | | design a survey and systematically collect, organize and display data in pictographs and bar graphs | express probability using simple fractions. | | | | understand the properties of circles | analyse angles by comparing and describing rotations: whole turn; half turn; quarter turn; north, south, east and west on a compass | | | | | model equivalent fractions | describe mental and written strategies for multiplication and division. | use fast recall of multiplication and division number facts in real-life situations |
| | interpret data using simple graphs, for example, bar graphs, line graphs | select appropriate graph form(s) to display data | | | | | understand congruent or similar shapes | - | | | | | use the language of fractions, for example, numerator, denominator | | use decimal fractions in real-life situations |
| | identify, read and interpret range and scale on graphs | | | | | | | describe and/or represent mental images of objects, patterns, and paths. | | | | | model decimal fractions to hundredths or beyond | | use mental and written strategies for multiplication and division in real-life situations |

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| | Data Handling | N | leasurement | Sha | ape and space | Patte | rn and Function | | Numbers | |
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| | identify the mode of a set of data | | | understand an angle as a measure of rotation | | | | model multiplication and division of whole numbers | | select an efficient method for solving a problem, for example, mental estimation, mental or written strategies, or by using a calculator |
| | use tree diagrams to express probability using simple fractions. | | | understand that 2D representations of 3D objects can be used to visualize and solve problems | | | | use the language of multiplication and division, for example, factor, multiple, product, quotient, prime numbers, composite numbe | | use strategies to evaluate the reasonableness of answers |
| | | | | understand that directions for location can be represented by coordinates on a grid | analyse and describe 2D and 3D shapes, including regular and irregular polygons, using geometrical vocabulary | | | model addition and subtraction of fractions with related denominators | | add and subtract fractions with related denominators in real-life situations |
| | design a survey and systematically collect, organize and display data in pictographs and bar graphs | | | understand that visualization of shape and space is a strategy for solving problems. | identify, describe and model congruency and similarity in 2D shapes | | | model addition and subtraction of decimals. | | add and subtract decimals in real-life situations, including money |
| | select appropriate graph form(s) to display data | | | | recognize and explain symmetrical patterns, including tessellation, in the environment | | | | | estimate sum, difference, product and quotient in real- life situations, including fractions and decimals. |
| | interpret range and scale on graphs | | | | apply knowledge of transformations to problemsolving situations. | | | | | |
| | use probability to determine mathematically fair and unfair games and to explain possible outcomes | | | | | | | | | |
| | express probability using simple fractions. | | | | | | | | | |
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| | PY3 | | PY3 | | PY3 | | PY3 | | PY3 | |
| pectation | Learners will understand how information can be expressed as organized and structured data and that this can occur in a range of ways. Learners will continue to collect, organize, display and analyse data, developing an understanding of how different graphs highlight different aspects of data more efficiently. | that standard units allow us to have a common | Learners will continue to use standard units to measure objects, in particular developing their understanding of measuring perimeter, area and volume. | | developing an understanding of their | understand that whole | relationship or rules that | the understanding that fractions and decimals are ways of | fractions and decimals are ways of representing whole-part relationships and will demonstrate this understanding by modelling equivalent fractions and decimal fractions to hundredths or | |
| EX | They will collect and represent data in different types of graphs, interpreting the resulting information for the purpose of answering questions. They will select and use appropriate tools and units of measurement, and will be able to describe measures that fall between two numbers on a scale. | Learners will develop these understandings in relation to measurement involving length, mass, capacity, money, temperature and time. | They will select and use appropriate tools and units of measurement, and will be able to describe measures that fall between two numbers on a scale. | They will understand that examples of symmetry and transformations can be found in their immediate environment. | They will be able to describe and model congruency and similarity in 2D shapes. | understand the inverse | between multiplication and division, and the associative and commutative properties of | They will be able to model, read, write, compare and order fractions, and use them in real-life situations. | They will be able to model, read, write, compare and order fractions, and use them in real-life situations. | |
| Overal | The learners will develop an understanding that some events in daily life are more likely to happen than others and they will identify and describe likelihood using appropriate vocabulary. They will understand that scale can represent different quantities in graphs and that mode can be used to summarize a set of data. | | The learners will be given the opportunity to construct meaning about the concept of an angle as a measure of rotation. | Learners will interpret, create and use simple directions and specific vocabulary to describe paths, regions, positions and boundaries of their immediate environment. | Learners will continue to develop their understanding of symmetry, in particular reflective and rotational symmetry. | their understanding of pattern to represent and make sense of real-life | pattern and function to | Learners will have automatic recall of addition, subtraction, multiplication and division facts. | Learners will have automatic recall of addition, subtraction, multiplication and division facts. | |

| | Data H | andling | | М | easurement | | Sha | ape and space |) | Patte | rn and Func | tion | | Numbers | | |
|-----------|--|--|--|--|--|---|---|---|--|---|--|---|--|---|--|-----|
| | | The learners will make the connection that probability is based on experimental events and can be expressed numerically. | | | | | | They will understand how geometric shapes and associated vocabulary are useful for representing and describing objects and events in real-world situations. | | | | | They will select, use and describe a range of strategies to solve problems involving addition, subtraction, multiplication and division, using estimation strategies to check the reasonableness of their answers. | strategies to solve problems involving addition, subtraction, multiplication and division, using estimation strategies to check the reasonableness of their | | |
| ing | expressed as organized and | Data can be collected, organized, displayed and analysed in different ways. | | Standard units allow us to have a common language to identify, compare, order and sequence objects and events. | attributes that can be measured using | | | Changing the position of a shape does not alter its properties. | | Whole numbers exhibit patterns and relationships that can be observed and described. | Functions are relationships or rules that uniquely associate members of one set with members of another set. | | model numbers to hundreds or beyond using the base 10 place value system | model numbers to thousands or beyond using the base 10 place value system | | |
| pu | | Different graph forms highlight different aspects of data more efficiently | | We use tools to measure the attributes of objects and events. | Relationships exist between standard units that measure the same attributes | | | Shapes can be transformed in different ways. | | Patterns can be represented using numbers and other symbols. | By analysing patterns and identifying rules for patterns it is possible to make predictions. | | estimate quantities to 100 or beyond | model equivalent fractions | | |
| rsta | Some events in daily life are more likely to happen than others. | based on experimental | | Estimation allows us to measure with different levels of accuracy. | | | | Geometric shapes and vocabulary are useful for representing and describing objects and events in real- world situations | | | | | model simple fraction relationships | use the language of fractions, for example, numerator, denominator | | |
| Jndei | | Probability can be expressed in numerical notations. | | | | | | | | | | | use the language of addition and subtraction, for example, add, take away, plus, minus, sum, difference | model decimal fractions to hundredths or beyond | | |
| a C | | | | | | | | | | | | | | model multiplication and division of whole numbers use the language of | | |
| onceptual | | | | | | | | | | | | | memorizing addition and subtraction number facts | multiplication and division, for example, factor, multiple, product, quotient, prime numbers, composite numbe | | |
| Ce | | | | | | | | | | | | | estimate sums and differences understand situations | model addition and subtraction of fractions with related denominators model addition and | | |
| Cor | | | | | | | | | | | | | that involve multiplication and division model addition and | subtraction of decimals. | | |
| | | | | | | | | | | | | | subtraction of fractions with the same denominator. | | | |
| | | | | | | | | | | | | | | | | |
| | PY 3 | (Learning Outcor | mes) | PY 3 (| Learning Outcomes | 5) | PY 3 | Learning Outcomes |) | PY 3 | (Learning Outcom | es) | PY 3 | (Learning Outcom | es) | |
| | Constructing Meaning | Transfering Meaning | Applying with understanding | Constructing Meaning | Transfering Meaning | Applying with understanding | Constructing Meaning | Transfering Meaning | Applying with understanding | Constructing Meaning | Transfering Meaning | Applying with understanding | Constructing Meaning | Transfering Meaning | Applying with understanding | |
| | can be organized by | | interpret data for the | understand the use of standard units to measure, for example, length, mass, money, time, temperature | objects using standard units of measurement: length, mass, capacity, | | understand that there are relationships among and between 2D and 3D shapes | | | can be found in numbers, for example, | represent patterns in a variety of ways, for example, using words, drawings, symbols, materials, actions, numbers | extend and create patterns in numbers, for example, odd and even numbers, skip counting | model numbers to hundreds or beyond using the base 10 place value system | read and write whole numbers up to hundreds or beyond | use whole numbers up to hundreds or beyond in real-life situations | WWA |
| | understand that information about themselves and their surroundings can be collected and recorded in different ways | represent the relationship between objects in sets using tree, Venn and Carroll diagrams | create a pictograph and sample bar graph of real objects and interpret data by comparing quantities (for example, more, fewer, less than, greater than) | understand that tools can be used to measure | read and write the time to the hour, half hour and quarter hour | use measures of time to assist with problem solving in real-life situations. | 3D shapes can be | analyse and describe the relationships between 2D and 3D shapes | recognize and explain simple symmetrical designs in the environment | understand the inverse relationship between addition and subtraction | describe number patterns, for example, odd and even numbers, skip counting. | use number patterns to represent and understand real-life situations | estimate quantities to 100 or beyond | read, write, compare and order cardinal and ordinal numbers | | |
| | | | | understand that calendars can be used to determine the date, and to identify and sequence days of the week and months of the year | | of measurement to | | create and describe symmetrical and tessellating patterns | apply knowledge of symmetry to problem-solving situations | understand the associative and commutative properties of addition. | represent the rule of a pattern by using a function | | model simple fraction relationships | describe mental and written strategies for adding and subtracting two-digit numbers. | use fast recall of addition and subtraction number facts in real-life situations | |
| | understand that data can be collected, displayed and interpreted using simple graphs, for example, bar graphs, line graphs | collect, display and interpret data using simple graphs, for example, bar graphs, line graphs | | understand that time is measured using universal units of measure, for example, years, months, days, hours, minutes and seconds. | | select appropriate tools and units of measurement | understand that geometric shapes are useful for representing real-world situations | symmetry | interpret and use simple directions, describing paths, regions, positions and boundaries of their immediate environment. | understand that patterns can be analysed and rules identified | escribe the rule for a pattern in a variety of ways | select appropriate methods for representing patterns, for example using words, symbols and tables | use the language of addition and subtraction, for example, add, take away, plus, minus, sum, difference | read, write, compare and order whole numbers up to thousands or beyond | | |
| ∞ | understand that scale can represent different quantities in graphs | identify, read and interpret range and scale on graphs | design a survey and systematically collect, organize and display data in pictographs and bar graphs | understand the use of standard units to measure perimeter, area and volume | describe measures that fall between numbers on a scale | | can be used to describe | real world using geometric vocabulary and symbols, for example, through oral description, drawing, modelling, labelling | analyse and describe 2D and 3D shapes, including regular and irregular polygons, using geometrical vocabulary | understand that multiplication is repeated addition and that division is repeated subtraction | identify a sequence of operations relating one set of numbers to another set. | use number patterns to make predictions and solve problems | model addition and subtraction of whole numbers | develop strategies for memorizing addition, subtraction, multiplication and division number facts | use mental and written strategies for addition and subtraction of two- digit numbers or beyond in real-life situations | |



| | Data H | andling | | M | easurement | Sha | ape and space | 9 | Patter | rn and Function | | Numbers | |
|----|--|--|---|---|---|---|--|---|--|-----------------|---|---|---|
| | understand that the mode can be used to summarize a set of data | | select appropriate graph form(s) to display data | understand that measures can fall between numbers on a measurement scale, for example, 3½ kg, between 4 cm and 5 cm | read and write digital and analogue time on 12-hour and 24-hour clocks. | understand an angle as a | interpret and create simple directions, describing paths, regions, positions and boundaries of their | identify, describe | understand the inverse relationship between multiplication and division | | memorizing addition | read, write, compare and order fractions | select an appropriate method for solving a problem, for example, mental estimation, mental or written strategies, or by using a calculator |
| | the purposes of a | use tree diagrams to express probability using simple fractions. | interpret range and scale on graphs | understand relationships between units, for example, metres, centimetres and millimetres | | understand that directions for location can be represented by coordinates on a grid | sort, describe and model regular and irregular polygons | recognize and explain symmetrical patterns, including tessellation, in the environment | understand the associative and commutative properties of multiplication. | | estimate sums and differences | read and write equivalent fractions | use strategies to evaluate the reasonableness of answers. |
| | understand that probability is based on experimental events. | | use probability to determine mathematically fair and unfair games and to explain possible outcomes | understand an angle as a measure of rotation. | | understand that visualization of shape and space is a strategy for solving problems. | describe and model congruency and similarity in 2D shapes | apply knowledge of | | | understand situations that involve multiplication and division | read, write, compare and order fractions to hundredths or beyond | use whole numbers up to thousands or beyond in real-life situations |
| | | | outcomes | | | understand the properties of regular and irregular polygons | analyse angles by comparing and describing rotations: whole turn; half turn; quarter turn; north, south, east and west on a compass | | | | model addition and subtraction of fractions with the same denominator. | describe mental and written strategies for multiplication and division. | use fast recall of multiplication and division number facts in real-life situations |
| | | | | | | understand the properties of circles | locate features on a grid using coordinates | | | | model numbers to thousands or beyond using the base 10 place value system | | use decimal fractions in real-life situations |
| 1) | | | | | | understand congruent or similar shapes | describe and/or represent mental images of objects, patterns, and paths. | | | | model equivalent fractions | | use mental and written strategies for multiplication and division in real-life situations |
| | | | | | | rotational symmetry assist | and 3D shapes, including | | | | use the language of fractions, for example, numerator, denominator | | select an efficient method for solving a problem, for example, mental estimation, mental or written strategies, or by using a calculator |
| | | | | | | understand an angle as a measure of rotation | sort, describe and model regular and irregular polygons | | | | model decimal fractions to hundredths or beyond | | use strategies to evaluate the reasonableness of answers |
| | | | | | | understand that 2D representations of 3D objects can be used to visualize and solve problems | describe and model congruency and similarity in 2D shapes | | | | model multiplication and division of whole numbers | | |
| | | | | | | understand that directions for location can be represented by coordinates on a grid | analyse angles by comparing and describing rotations: whole turn; half turn; quarter turn; north, south, east and west on a compass | | | | use the language of multiplication and division, for example, factor, multiple, product, quotient, prime numbers, composite numbe | | |
| | | | | | | understand that visualization of shape and space is a strategy for solving problems. | | | | | model addition and subtraction of fractions with related denominators | | |
| | | | | | | | describe and/or represent mental images of objects, patterns, and paths. | | | | model addition and subtraction of decimals. | | |
| | | | | | | sort, describe and model regular and irregular polygons describe and model congruency and similarity | | | | | | | |
| | | | | | | in 2D shapes analyse angles by comparing and describing rotations: whole turn; half turn; quarter turn; north, south, east and west on a compass | | | | | | | |
| | | | | | | locate features on a grid using coordinates describe and/or represent mental images of objects, patterns, and paths. | | | | | | | |
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| | Data H | andling 1 4 | | N | leasurement | | Sh | ape and spac | e | Patte | ern and Fund | ction | | Numbers | | |
|----------|--|---|--|--|---|---|---|---|--|--|---|---|---|--|--|--|
| ctation | Learners will continue to collect, organize, display and analyse data, developing an understanding of how different graphs highlight different aspects of data more efficiently. | | | Learners will continue to use standard units to measure objects, in particular developing their understanding of measuring perimeter, area and volume. | | | Learners will sort, describe and model regular and irregular polygons, developing an understanding of their properties. | | | Learners will analyse patterns and identify rules for patterns, developing the understanding that functions describe the relationship or rules that uniquely associate members of one set with members of another set. | | | Learners will develop the understanding that fractions and decimals are ways of representing whole-part relationships and will demonstrate this understanding by modelling equivalent fractions and decimal fractions to hundredths | | | |
| Expe | They will select and use appropriate tools and units of measurement, and will be able to describe measures that fall between two numbers | | | They will select and use appropriate tools and units of measurement, and will be able to describe measures that fall between two numbers on a scale. | | | They will be able to describe and model congruency and similarity in 2D shapes. | | | They will understand the inverse relationship between multiplication and division, and the associative and commutative properties of multiplication. | | | or beyond. They will be able to model, read, write, compare and order fractions, and use them in real-life situations. | | | |
| erall I | on a scale. They will understand that scale can represent different quantities in graphs and that mode can be used to summarize a set of data. | | | The learners will be given the opportunity to construct meaning about the concept of an angle as a measure of rotation. | | | Learners will continue to develop their understanding of symmetry, in particular reflective and rotational symmetry. | | | They will be able to use their understanding of pattern and function to represent and make sense of real-life situations and, where appropriate, to solve problems involving the four operations. | | | Learners will have automatic recall of addition, subtraction, multiplication and division facts. | | | |
| ò | The learners will make the connection that probability is based on experimental events and can be expressed numerically. | | | | | | They will understand how geometric shapes and associated vocabulary are useful for representing and describing objects and events in real-world situations. | | | iour operations. | | | They will select, use and describe a range of strategies to solve problems involving addition, subtraction, multiplication and division, using estimation strategies to check the reasonableness of their answers. | | | |
| ding | Data can be collected, organized, displayed and analysed in different ways. | | | recognize and explain symmetrical patterns, including tessellation, in the environment | | | Changing the position of a shape does not alter its properties. | a | | Functions are relationships or rules that uniquely associate members of one set with members of another set. | | | The base 10 place value system can be extended to represent magnitude. | | | |
| an an | Different graph forms highlight different aspects of data more efficiently | | | apply knowledge of transformations to problem-solving situations. | | | Shapes can be transformed in different ways. | | | By analysing patterns and identifying rules for patterns it is possible to make predictions. | | | Fractions and decimals are ways of representing whole-part relationships. | | | |
| once | Probability can be based on experimental events in daily life. | | | | | | Geometric shapes and vocabulary are useful for representing and describing objects and events in real-world situations | | | | | | The operations of addition, subtraction, multiplication and division are related to each other and are used to process information to solve problems. | | | |
| S S | Probability can be expressed in numerical notations. | | | | | | | | | | | | Even complex operations can be modelled in a variety of ways, for example, an algorithm is a way to represent an operation. | | | |
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| | PY 4 | (Learning Outco | omes) | PY 4(| (Learning Outcomes | 5) | PY 4 | (Learning Outcome | 5) | PY 4 | (Learning Outcom | nes) | PY 4 | (Learning Outcom | es) | |
| | | Transfering Meaning | understanding | Constructing Meaning | Transfering Meaning | Applying with understanding | Constructing Meaning | Transfering Meaning sort, describe and model | Applying with understanding | Constructing Meaning | | Applying with understanding | | Transfering Meaning read, write, compare and | Applying with understanding | |
| | understand that data can be collected, displayed and interpreted using simple graphs, for example, bar graphs, line graphs | collect, display and interpret data using simple graphs, for example, bar graphs, line graphs | design a survey and systematically collect, organize and display data in pictographs and bar graphs | understand the use of standard units to measure perimeter, area and volume | | use standard units of measurement to solve problems in real-life situations involving perimeter, area and volume | understand the common language used to describe shapes | sort, describe and model regular and irregular polygons | analyse and describe 2D and 3D shapes, including regular and irregular polygons, using geometrical vocabulary | | represent the rule of a pattern by using a function | select appropriate methods for representing patterns, for example using words, symbols and tables | thousands or beyond using the base 10 place value system | order whole numbers up | use whole numbers up to thousands or beyond in real-life situations | |
| | understand that scale can represent different quantities in graphs | identify, read and interpret range and scale on graphs | select appropriate graph form(s) to display data | | read and write digital and analogue time on 12-hour and 24-hour clocks. | tools and units of | understand the properties of regular and irregular polygons | describe and model congruency and similarity in 2D shapes | identify, describe and model congruency and similarity in 2D | understand that multiplication is repeated addition and that division is repeated | escribe the rule for a pattern in a variety of ways | use number patterns to make predictions and solve problems | model equivalent fractions | develop strategies for memorizing addition, subtraction, multiplication and division number facts | | |

| | Data Ha | andling | | М | easurement | | Sha | ape and space | 9 | Patte | rn and Func | tion | | Numbers | | |
|-------------|--|--|---|---|--|--|--|--|---|--|--|----------------------|---|---|---|--|
| | understand that the mode can be used to summarize a set of data | identify the mode of a set of data | interpret range and scale on graphs | understand relationships between units, for example, metres, centimetres and millimetres | | use timelines in units of inquiry and other real-life situations. | understand the properties of circles | analyse angles by comparing and describing rotations: whole turn; half turn; quarter turn; north, south, east and west on a compass | explain symmetrical | understand the inverse relationship between multiplication and division | operations relating one set of numbers to another | and relationships of | | read, write, compare and order fractions | use decimal fractions in real-life situations | |
| > | understand that one of the purposes of a database is to answer questions and solve problems | use tree diagrams to express probability using simple fractions. | use probability to determine mathematically fair and unfair games and to explain possible outcomes | understand an angle as a measure of rotation. | | | understand congruent or similar shapes | | apply knowledge of transformations to problem-solving situations. | understand the associative and commutative properties of multiplication. | | | model decimal fractions to hundredths or beyond | read and write equivalent fractions | use mental and written strategies for multiplication and division in real-life situations | |
| | understand that probability is based on experimental events. | | express probability using simple fractions. | | | | understand that lines and axes of reflective and rotational symmetry assist with the construction of shapes | | | | select appropriate methods for representing patterns, for example using words, symbols and tables | | model multiplication and division of whole numbers | read, write, compare and order fractions to hundredths or beyond | select an efficient method for solving a problem, for example, mental estimation, mental or written strategies, or by using a calculator | |
| | | | | | | | understand an angle as a measure of rotation | | | | use number patterns to make predictions and solve problems | | factor, multiple, product, quotient, prime numbers, composite numbe | describe mental and written strategies for multiplication and division | answers | |
| | | | | | | | understand that 2D representations of 3D objects can be used to visualize and solve problems understand that directions | | | | | | model addition and subtraction of fractions with related denominators | | add and subtract fractions with related denominators in real-life situations add and subtract | |
| | | | | | | | for location can be represented by coordinates on a grid understand that visualization of shape and | | | | | | subtraction of decimals. read, write, compare and order whole | | decimals in real-life situations, including money estimate sum, difference, product | |
| > | | | | | | | space is a strategy for solving problems. | | | | | | numbers up to thousands or beyond | | and quotient in real- life situations, including fractions and decimals. | |
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| | P\ | Y 5 | | | PY5 | | | PY5 | | | PY5 | | | PY5 | | |
| xpectation | Learners will continue to collect, organize, display and analyse data, developing an understanding of how different graphs highlight different aspects of data more efficiently. | organize and display data for the purposes of valid interpretation and | | understanding of measuring perimeter, area and volume. | Learners will understand that a range of procedures exists to measure different attributes of objects and events, for example, the use of formulas for finding area, perimeter and volume. | | Learners will sort, describe and model regular and irregular polygons, developing an understanding of their properties. | | | Learners will analyse patterns and identify rules for patterns, developing the understanding that functions describe the relationship or rules that uniquely associate members of one set with members of another set. | Learners will understand that patterns can be represented, analysed and generalized using algebraic expressions, equations or functions. | | Learners will develop the understanding that fractions and decimals are ways of representing whole-part relationships and will demonstrate this understanding by modelling equivalent fractions and decimal fractions to hundredths or beyond. | infinitely in two directions and will be able to model, compare, read, write | | |
| all Ex | use appropriate tools and units of measurement, and will | mean and range to | | appropriate tools and units of measurement, and will be able to describe measures that fall between two numbers on a scale. | They will be able to decide on the level of accuracy required for measuring and using decimal and fraction notation when precise measurements are necessary. | | They will be able to describe and model congruency and similarity in 2D shapes. | | | They will understand the inverse relationship between multiplication and division, and the associative and commutative properties of multiplication. | They will use words, tables, graphs and, | | They will be able to model, read, write, compare and order fractions, and use them in real-life situations. | They will develop an understanding of ratios. | | |

| | Data H | andling | | M | easurement | | Sha | ape and space | 9 | Patte | ern and Fund | tion | | Numbers | | |
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| Over | quantities in graphs | manipulate an electronic database for their own purposes, including setting up spreadsheets | | The learners will be given the opportunity to construct meaning about the concept of an angle as a measure of rotation. | To demonstrate their understanding of angles as a measure of rotation, the learners will be able to measure and construct angles. | | Learners will continue to develop their understanding of symmetry, in particular reflective and rotational symmetry. | | | They will be able to use their understanding of pattern and function to represent and make sense of real-life situations and, where appropriate, to solve problems involving the four operations. | They will develop an understanding of exponential notation as a way to express repeated products, and of the inverse relationship that exists between exponents and roots | | Learners will have automatic recall of addition, subtraction, multiplication and division facts. | They will understand that fractions, decimals and percentages are ways of representing whole-part relationships and will work towards modelling, comparing, reading, writing, ordering and converting fractions, decimals and percentages. | | |
| | The learners will make the connection that probability is based on experimental events and can be expressed numerically. | understand that probability can be | | | | | They will understand how geometric shapes and associated vocabulary are useful for representing and describing objects and events in real-world situations. | | | | The students will continue to use their understanding of pattern and function to represent and make sense of real-life situations and to solve problems involving the four operations. | | They will select, use and describe a range of strategies to solve problems involving addition, subtraction, multiplication and division, using estimation strategies to check the reasonableness of their answers. | They will use mental and written strategies to solve problems involving whole numbers, fractions and decimals in real-life situations, using a range of strategies to evaluate reasonableness of answers. | | |
| ual ıding | different ways. | Data can be presented effectively for valid interpretation and communication. | | Objects and events have attributes that can be measured using appropriate tools. | Accuracy of measurements depends on the situation and the precision of the tool | | escribe the rule for a pattern in a variety of ways | | | Functions are relationships or rules that uniquely associate members of one set with members of another set. | Patterns can often be generalized using algebraic expressions, equations or functions. | | The base 10 place value system can be extended to represent magnitude. | The base 10 place value system extends infinitely in two directions. | | |
| ceptual rstandii | Different graph forms highlight different aspects of data more efficiently | Range, mode, median and mean can be used to analyse statistical data. | | Relationships exist between standard units that measure the same attributes | Conversion of units and measurements allows us to make sense of the world we live in. | | identify a sequence of operations relating one set of numbers to another set. | | | and identifying rules for | Exponential notation is a powerful way to express repeated products of the same number. | | Fractions and decimals are ways of representing whole-part relationships. | Fractions, decimal fractions and percentages are ways of representing whole-part relationships. | | |
| Conc | | Probability can be represented on a scale between 0–1 or 0% –100%. | | | | | | | | | | | The operations of addition, subtraction, multiplication and division are related to each other and are used to process information to solve problems. | | | |
| Þ | expressed in | The probability of an event can be predicted theoretically. | | | | | | | | | | | Even complex operations can be modelled in a variety of ways, for example, an algorithm is a way to represent an operation. | Ratios are a comparison of two numbers or quantities. | | |
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| | PY 5 | (Learning Outco | mes) | PY 5(| Learning Outcomes | 5) | PY 5 | (Learning Outcomes | 3) | PY 5 | (Learning Outcom | es) | PY 5 | (Learning Outcome | es) | |
| | Constructing Meaning | Transfering Meaning | Applying with understanding | Constructing Meaning | Transfering Meaning | Applying with understanding | Constructing Meaning | Transfering Meaning | Applying with understanding | Constructing Meaning | Transfering Meaning | Applying with understanding | Constructing Meaning | Transfering Meaning | Applying with understanding | |
| | understand that data can be collected, displayed and interpreted using simple graphs, for example, bar graphs, line graphs | collect, display and interpret data using simple graphs, for example, bar graphs, line graphs | design a survey and systematically collect, organize and display data in pictographs and bar graphs | understand the use of standard units to measure perimeter, area and volume | estimate and measure using standard units of measurement: perimeter, area and volume | use standard units of measurement to solve problems in real-life situations involving perimeter, area and volume | | use the language of fractions, for example, numerator, denominator | sort, describe and model regular and irregular polygons | understand that patterns can be analysed and rules identified | represent the rule of a pattern by using a function | select appropriate | | | | |
| | understand that scale can represent different quantities in graphs | identify, read and interpret range and scale on graphs | select appropriate graph form(s) to display data | understand that measures can fall between numbers on a measurement scale, for example, 3½ kg, between 4 cm and 5 cm | describe measures that fall between numbers on a scale | | | model decimal fractions to hundredths or beyond | describe and model congruency and similarity in 2D shapes | multiplication is | escribe the rule for a pattern in a variety of ways | use number patterns to make predictions and solve problems | model equivalent fractions | develop strategies for memorizing addition, subtraction, multiplication and division number facts | | |
| | understand that the mode can be used to summarize a set of data | identify the mode of a set of data | interpret range and scale on graphs | understand relationships between units, for example, metres, centimetres and millimetres | read and write digital and analogue time on 12-hour and 24-hour clocks. | | | model multiplication and division of whole numbers | analyse angles by comparing and describing rotations: whole turn; half turn; quarter turn; north, south, east and west on a compass | understand the inverse relationship between multiplication and division | identify a sequence of operations relating one set of numbers to another set. | | use the language of fractions, for example, numerator, denominator | read, write, compare and order fractions | use decimal fractions in real-life situations | |
| | the purposes of a | use tree diagrams to express probability using simple fractions. | use probability to determine mathematically fair and unfair games and to explain possible outcomes | understand an angle as a measure of rotation. | develop and describe formulas for finding perimeter, area and volume | | | | locate features on a grid using | understand the associative and commutative properties of multiplication. | represent the rule of a pattern by using a function | select appropriate methods to analyse patterns and identify rules | model decimal fractions to hundredths or beyond | read and write equivalent fractions | use mental and written strategies for multiplication and division in real-life situations | |

P 5

| | Data H | andling | | M | leasurement | | Sha | ape and spac | е | Patte | rn and Fund | tion | | Numbers | | |
|----------|--|---|--|--|---|---|---|--|--|--|-------------|----------------------------------|---|---|---|--|
| | understand that probability is based on | collect, display and | express probability using simple fractions. | understand procedures for finding area, perimeter and volume | use decimal and fraction notation in measurement, for example, 3.2 cm, 1.47 kg, 1½ miles | select and use appropriate units of measurement and tools to solve problems in real-life situations | Fractions and decimals | model addition and subtraction of fractions with | describe and/or | understand that patterns can be generalized by a rule | | use functions to solve problems. | model multiplication and division of whole numbers | read, write, compare and order fractions to hundredths or beyond | select an efficient method for solving a problem, for example, mental estimation, mental or written strategies, or by using a calculator | |
| | understand that different types of graphs have special purposes | identify, describe and explain the range, mode, median and mean in a set of data | design a survey and systematically collect, record, organize and display the data in a bar graph, circle graph, line graph | understand the relationships between area and perimeter, between area and volume, and between volume and capacity | read and interpret scales on a range of measuring instruments | determine and justify the level of accuracy required to solve real-life problems involving measurement | The operations of addition, subtraction, multiplication and division are related to each other and are used to process information to solve problems. | model addition and subtraction of decimals. | analyse, describe, classify and visualize 2D (including circles, triangles and quadrilaterals) and 3D shapes, using geometric vocabulary | understand exponents as repeated multiplication | | | use the language of multiplication and division, for example, factor, multiple, product, quotient, prime numbers, composite numbe | describe mental and written strategies for multiplication and division. | use strategies to evaluate the reasonableness of answers | |
| | understand that the mode, median, mean and range can summarize a set of data | set up a spreadsheet using simple formulas to manipulate data and to create graphs | explain the range, | understand unit conversions within measurement systems (metric or customary | measure and construct angles in degrees using a protractor | use decimal and fractional notation in measurement, for example, 3.2 cm, 1.47 kg, 1½ miles | | | describe lines and angles using geometric vocabulary | understand the inverse relationship between exponents and roots | | | model addition and subtraction of fractions with related denominators | read, write, compare and order whole numbers up to millions or beyond | add and subtract fractions with related denominators in real-life situations | |
| | | express probabilities using scale (0–1) or per cent (0%–100%). | create and manipulate an electronic database for their own purposes | | carry out simple unit conversions within a system of measurement (metric or customary). | schedules (12- hour and 24-hour clocks) | Even complex operations can be modelled in a variety of ways, for example, an algorithm is a way to represent an operation. | | identify and use scale (ratios) to enlarge and reduce shapes | understand that patterns can be represented, analysed and generalized using tables, graphs, words, and, when possible, symbolic rules. | | | model addition and subtraction of decimals. | read and write ratios | add and subtract decimals in real-life situations, including money | |
| | | | determine the theoretical probability of an event and explain why it might differ from experimental probability. | | | determine times worldwide | | | identify and use the language and notation of bearing to describe direction and position | | | | model numbers to millions or beyond using the base 10 place value system | | estimate sum, difference, product and quotient in real- life situations, including fractions and decimals. | |
| \ | | | | | | | | | create and model how a 2D net converts into a 3D shape and vice versa | | | | model ratios | | use whole numbers up to millions or beyond in real-life situations | |
| | | | | | | | | | 10.00 | | | | model integers in appropriate contexts model exponents and square roots | | use ratios in real-life situations use integers in real- life situations | |
| | | | | | | | | | | | | | model improper fractions and mixed numbers | | convert improper fractions to mixed numbers and vice versa in real-life situations | |
| | | | | | | | | | | | | | simplify fractions using manipulatives | | simplify fractions in computation answers use fractions, | |
| | | | | | | | | | | | | | | | decimals and percentages interchangeably in real- life situations select and use an | |
| | | | | | | | | | | | | | | | appropriate sequence of operations to solve word problems | |
| | | | | | | | | | | | | | | | select an efficient method for solving a problem: mental estimation, mental computation, written algorithms, by using a calculator | |
| | | | | | | | | | | | | | | | use strategies to evaluate the reasonableness of answers | |
| | | | | | | | | | | | | | | | use mental and written strategies for adding, subtracting, multiplying and dividing fractions and decimals in real-life situations | |
| | | | | | | | | | | | | | | | estimate and make approximations in real-life situations involving fractions, decimals and percentages. | |
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| Data Handling | Measurement | Shape and space | Pattern and Fu | nction | | Numbers | |
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| | | | Shape and space | | | Shape and space | |
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| | | | Learners will Learners will continue understand that shapes work with 2D and 3D | | understand that shanes | Learners will continue to work with 2D and 3D | |
| | | | have characteristics that can be described and compared. shapes are classified shapes are classified | le | have characteristics that can be described and compared. | shapes, developing the understanding that | |
| | | | and compared. shapes are classifie and named according | d a to | and compared. | shapes are classified and named according to | |
| | | | their properties. | | | their properties. | |
| | | | They will understand and use common language to describe paths, regions and boundaries of their immediate environn | that try | They will understand and use common language to describe paths, regions and boundaries of their | They will understand that examples of symmetry | |
| | | | language to describe and transformations | can | language to describe | and transformations can be found in their | |
| | | | boundaries of their immediate environment. | ent. | boundaries of their immediate environment. | immediate environment. | |
| | | | Learners will interpre | t, | | Learners will interpret, | |
| | | | create and use simp | le | | Learners will interpret, create and use simple directions and specific | |
| | | | directions and spec vocabulary to descr paths, regions, | ibe | | directions and specific vocabulary to describe | |
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| | | | DV1 (Loggies Outcomes) | | DV 4 / Logging Cide | | |
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| | | | | Applying with understanding | | Transfering Meaning | Applying with understanding |

| SOURCE LAND SOURC | Data Ha | andling | Measureme | nt | Sha | ape and space | 9 | Patte | rn and Fund | ction | | Numbers | | |
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| Learners will understands that elabages have characteristics and compared. They will substanded and use common language to describe boundaries of they immediate environment. They will substanded and use common language to describe boundaries of they immediate environment. Learners will continue to substand that shapes have characteristics and compared. They will substanded and use common language to describe boundaries of they immediate environment. Learners will continue to substand that shapes have characteristics and compared and manual according to the standard compared and the standard | | | | | | | | | | | | | | |
| Learners will understands that elabages have characteristics and compared. They will substanded and use common language to describe boundaries of they immediate environment. They will substanded and use common language to describe boundaries of they immediate environment. Learners will continue to substand that shapes have characteristics and compared. They will substanded and use common language to describe boundaries of they immediate environment. Learners will continue to substand that shapes have characteristics and compared and manual according to the standard compared and the standard | | | | | | | | | | | | | | |
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| understand but shapes are classified and compared. They will understand but shapes are classified and compared and comp | | | | | | | | | Shape and space | | | Shape and space | | |
| understand but shapes are classified and compared. They will understand but shapes are classified and compared and comp | | | | | | | | | | | | | | |
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| and use common be paths, regions and boundaries of their immediate environment. Common to be counted in their immediate environment and boundaries of their immediate environment. Common to be counted in their immediate environment. Common to be considered in their immediate | | | | | | | | They will understand | They will understand that | | They will understand | They will understand that | | |
| crate and use simple directions and specific vocabulary to describe paths, regions, polymer of the comment of t | | | | | | | | language to describe paths, regions and boundaries of their | examples of symmetry and transformations can be found in their | n | and use common language to describe paths, regions and boundaries of their | examples of symmetry and transformations can be found in their immediate environment. | | |
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| Company Comp | | | | | | | | | | Applying with | | | Applying with | |
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| Dat | ta Handling | Measurement | Shape and space | Patte | rn and Func | tion | | Numbers | | |
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| | | | | | Shape and space | | | Shape and space | | |
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| | | | | understand that shapes have characteristics that can be described and compared. | shapes, developing the | | understand that shapes have characteristics that can be described and compared. | shapes, developing the | | |
| | | | | and use common language to describe paths, regions and boundaries of their immediate environment. | They will understand that examples of symmetry and transformations can be found in their immediate environment. | | and use common language to describe paths, regions and boundaries of their immediate environment. | They will understand that examples of symmetry and transformations can be found in their immediate environment. | | |
| | | | | | Learners will interpret, create and use simple directions and specific vocabulary to describe paths, regions, positions and boundaries of their immediate environment. | | | Learners will interpret, create and use simple directions and specific vocabulary to describe paths, regions, positions and boundaries of their immediate environment. | | |
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| | | | | PY 1 (Learning Outcome Constructing Meaning | | Applying with | PY 1 (Learning Outcome Constructing Meaning | | Applying with | |
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| | | | | | Shape and space | | | Shape and space | | |
| | | | | understand that shapes have characteristics that can be described and compared. | shapes, developing the | | understand that shapes have characteristics that can be described and compared. | Learners will continue to work with 2D and 3D shapes, developing the understanding that shapes are classified and named according to their properties. | | |

| Data Handling | Measurement | Shape and space | Patte | ern and Funct | tion | | Numbers | |
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| | | | and use common language to describe paths, regions and | They will understand that examples of symmetry and transformations can be found in their immediate environment. | | and use common language to describe paths, regions and | They will understand that examples of symmetry and transformations can be found in their immediate environment. | |
| | | | | Learners will interpret, create and use simple directions and specific vocabulary to describe paths, regions, positions and boundaries of their immediate environment. | | | Learners will interpret, create and use simple directions and specific vocabulary to describe paths, regions, positions and boundaries of their immediate environment. | |
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| | | | and use common language to describe paths, regions and | They will understand that examples of symmetry and transformations can be found in their immediate environment. | | They will understand and use common language to describe paths, regions and | They will understand that examples of symmetry and transformations can be found in their immediate environment. | |
| | | | | Learners will interpret, create and use simple directions and specific vocabulary to describe paths, regions, positions and boundaries of their immediate environment. | | | Learners will interpret, create and use simple directions and specific vocabulary to describe paths, regions, positions and boundaries of their immediate environment. | |
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| | | | PY 1 (Learning Outcomes) Constructing Meaning Tra | ansfering Meaning Applying with | PY 1 (Learning Outcome Constructing Meaning | | applying with |
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| | | | understand that shapes wo | arners will continue to | Learners will understand that shapes | Learners will continue to work with 2D and 3D | |
| | | | have characteristics sha that can be described und | apes, developing the derstanding that | understand that shapes have characteristics that can be described | shapes, developing the understanding that | |
| | | | and | apes are classified d named according to eir properties. | and compared. | shapes are classified and named according to their properties. | |
| | | | They will understand The | ev will understand that | They will understand | They will understand that | |
| | | | and use common language to describe paths, regions and be | tound in their | paths, regions and | examples of symmetry and transformations can be found in their | |
| | | | boundaries of their immediate environment. | mediate environment. | boundaries of their immediate environment. | immediate environment. | |
| | | | cre | arners will interpret, eate and use simple | | Learners will interpret, create and use simple | |
| | | | voc | rections and specific cabulary to describe ths, regions, | | directions and specific vocabulary to describe paths, regions, | |
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| | | | Learners will Learners was understand that shapes | vill continue to | Learners will understand that shapes | Learners will continue to work with 2D and 3D | |
| | | | have characteristics that can be described and compared. shapes at | eveloping the | have characteristics that can be described and compared. | shapes, developing the | |
| | | | and compared. shapes an | e classified | and compared. | shapes are classified | |
| | | | their prop | d according to erties. | | and named according to their properties. | |
| | | | | nderstand that of symmetry | They will understand and use common | They will understand that examples of symmetry | |
| | | | language to describe paths, regions and be found | formations can | language to describe paths, regions and | and transformations can | |
| | | | boundaries of their immediate | e environment. | boundaries of their | immediate environment. | |
| | | | immediate environment. | vill interpret, | immediate environment. | Learners will interpret, | |
| | | | create and | l use simple | | create and use simple | |
| | | | vocabular | and specific y to describe | | directions and specific vocabulary to describe | |
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| | | | PY 1 (Learning Outcomes) | | PY 1 (Learning Outcom | | |
| | | | PY 1 (Learning Outcomes) Constructing Meaning Transferin | g Meaning Applying with understanding | | | g |
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| | | | | | | | understand that shapes | Learners will continue to work with 2D and 3D | | Learners will understand that shapes | Learners will continue to work with 2D and 3D | | |
| | | | | | | | have characteristics | shapes, developing the | | have characteristics that can be described | shapes, developing the understanding that | | |
| | | | | | | | that can be described and compared. | shapes are classified and named according to | | and compared. | shapes are classified and named according to | | |
| | | | | | | | | their properties. | | | their properties. | | |
| | | | | | | | They will understand and use common | They will understand that examples of symmetry and transformations can | | They will understand and use common | They will understand that examples of symmetry | | |
| | | | | | | | language to describe | and transformations can be found in their | 1 | language to describe | examples of symmetry and transformations car be found in their | | |
| | | | | | | | paths, regions and boundaries of their immediate environment. | immediate environment. | | paths, regions and boundaries of their immediate environment. | immediate environment. | | |
| | | | | | | | | Learners will interpret, | | | Learners will interpret, | | |
| | | | | | | | | create and use simple directions and specific | | | create and use simple directions and specific | | |
| | | | | | | | | vocabulary to describe paths, regions, | | | vocabulary to describe | | |
| | | | | | | | | positions and | | | paths, regions, positions and | | |
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| | | | | | | | PY 1 (Learning Outcome | 9) | | PY 1 (Learning Outcome | 25) | | |
| | | | | | | | Constructing Meaning | | Applying with | Constructing Meaning | | Applying with | |
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| Data H | landling | Measurement | Sha | pe and space | ; | Patte | rn and Func | tion | | Numbers | | |
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| | | | | | | Learners will | Learners will continue to | | Learners will | Learners will continue to | | |
| | | | | | | understand that shapes have characteristics that can be described and compared. | shapes, developing the | | | shapes, developing the | | |
| | | | | | | They will understand and use common language to describe paths, regions and boundaries of their | They will understand that examples of symmetry and transformations can be found in their immediate environment. | | They will understand and use common language to describe paths, regions and boundaries of their | They will understand that examples of symmetry and transformations can be found in their immediate environment. | | |
| | | | | | | immediate environment. | Learners will interpret, create and use simple directions and specific vocabulary to describe | | immediate environment. | Learners will interpret, create and use simple directions and specific vocabulary to describe | | |
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| | | | | | | PY 1 (Learning Outcome | s) | | PY 1 (Learning Outcome | es) | | |
| | | | | | | Constructing Meaning | | Applying with | | | | |
| | | | | | | 3 3 | Transiering Meaning | understanding | Constructing Meaning | Transfering Meaning | Applying with | |
| | | | | | | 3 · · · · · · · · · · · · · · · · · · · | Transiering Meaning | Applying with understanding | Constructing Meaning | Transfering Meaning | Applying with understanding | |
| | | | | | | | Transiting wearing | understanding | Constructing wearing | Transfering Meaning | Applying with understanding | |
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| Data Handling | Measurement | Shape and space | Pattern and Fund | ction | | Numbers | |
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| | | | Shape and space | | | Shape and space | |
| | | | Learners will understand that shapes have characteristics that can be described and compared. Learners will understand that Shapes, developing the understanding that shapes are classified and named according their properties. | io | that can be described and compared. | shapes, developing the understanding that shapes are classified and named according to their properties. | |
| | | | They will understand tha and use common language to describe paths, regions and boundaries of their immediate environment. | n | and use common language to describe | They will understand that examples of symmetry and transformations can be found in their immediate environment. | |
| | | | Learners will interpret, create and use simple directions and specific vocabulary to describe paths, regions, positions and boundaries of their immediate environment. | | | Learners will interpret, create and use simple directions and specific vocabulary to describe paths, regions, positions and boundaries of their immediate environment. | |
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| | | | DV4 (Lucius O. Lucius) | | DV4/I | | |
| | | | PY 1 (Learning Outcomes) Constructing Meaning Transfering Meaning | Applying with | PY 1 (Learning Outcome Constructing Meaning | | |
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| | | | Learners will | | Learners will | Learners will continue to | |
| | | | Learners will understand that shapes have characteristics that can be described and compared. Learners will continue to work with 2D and 3D shapes, developing the understanding that shapes are classified and named according their properties. | | and compared. | Learners will continue to work with 2D and 3D shapes, developing the understanding that shapes are classified and named according to their properties. | |

| Data Handling | Measurement | Shape and space | Patte | ern and Funct | tion | | Numbers | |
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| | | | and use common language to describe | They will understand that examples of symmetry and transformations can be found in their immediate environment. | | and use common language to describe paths, regions and | They will understand that examples of symmetry and transformations can be found in their immediate environment. | |
| | | | | Learners will interpret, create and use simple directions and specific vocabulary to describe paths, regions, positions and boundaries of their immediate environment. | | | Learners will interpret, create and use simple directions and specific vocabulary to describe paths, regions, positions and boundaries of their immediate environment. | |
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| | | | Learners will understand that shapes have characteristics that can be described and compared. | shapes, developing the | | understand that shapes have characteristics that can be described and compared. | shapes, developing the | |
| | | | and use common language to describe paths, regions and | They will understand that examples of symmetry and transformations can be found in their immediate environment. | | They will understand and use common language to describe paths, regions and boundaries of their immediate environment. | They will understand that examples of symmetry and transformations can be found in their immediate environment. | |
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| | | | | mineulate environment. | | | minediate chynolinent. | |

| Data Ha | ndling | N | leasurement | Sha | ape and space |) | Patte | rn and Fund | tion | | Numbers | |
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| | | | | | | | PY 1 (Learning Outcome | | | PY 1 (Learning Outcome | | |
| | | | | | | | Constructing Meaning | Transfering Meaning | Applying with understanding | Constructing Meaning | Transfering Meaning App und | lying with erstanding |
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| | | | | | | | understand that shapes | Learners will continue to work with 2D and 3D shapes, developing the understanding that | | Learners will understand that shapes have characteristics that can be described | Learners will continue to work with 2D and 3D shapes, developing the understanding that | |
| | | | | | | | and compared. | shapes are classified and named according to their properties. | | and compared. | shapes are classified and named according to their properties. | |
| | | | | | | | and use common language to describe paths, regions and boundaries of their | They will understand that examples of symmetry and transformations ca be found in their immediate environment | n | and use common language to describe paths, regions and boundaries of their | They will understand that examples of symmetry and transformations can be found in their immediate environment. | |
| | | | | | | | | Learners will interpret, | | immediate environment. | Learners will interpret, | |
| | | | | | | | | directions and specific vocabulary to describe paths, regions, positions and boundaries of their | | | directions and specific vocabulary to describe paths, regions, positions and boundaries of their | |
| | | | | | | | | immediate environment. | | | immediate environment. | |
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| Data Handling | Measurement | Shape and space | Pattern and Fund | tion | | Numbers | |
|---------------|-------------|-----------------|--|-----------------------------|---|--|---|
| | | | Constructing Meaning Transfering Meaning | Applying with understanding | Constructing Meaning | Transfering Meaning Applying with understanding | |
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| | | | Shape and space | | | Shape and space | + |
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| | | | Learners will Learners will continue to | | Learners will | Learners will continue to | |
| | | | understand that shapes work with 2D and 3D shapes, developing the | | understand that shapes have characteristics that can be described | work with 2D and 3D shapes, developing the | |
| | | | that can be described understanding that | | that can be described | understanding that | |
| | | | and named according to | • | and compared. | shapes are classified and named according to | |
| | | | their properties. | | They will understand | their properties. They will understand that | - |
| | | | They will understand and use common examples of symmetry | | and use common | examples of symmetry | |
| | | | language to describe paths, regions and be found in their | 1 | paths, regions and | and transformations can be found in their | |
| | | | boundaries of their immediate environment | | boundaries of their immediate environment. | immediate environment. | |
| | | | Learners will interpret | | | Learners will interpret. | |
| | | | create and use simple directions and specific | | | create and use simple directions and specific vocabulary to describe | |
| | | | vocabulary to describe paths, regions, | | | vocabulary to describe paths, regions, | |
| | | | positions and positions of their | | | positions and boundaries of their | 1 |
| | | | immediate environment. | | | immediate environment. | |
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| | | | PY 1 (Learning Outcomes) | | PY 1 (Learning Outcome | | |
| | | | Constructing Meaning Transfering Meaning | Applying with understanding | Constructing Meaning | Transfering Meaning Applying with understanding | |
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| Data Handling | Measurement | Shape and space | Pattern and Fur | nction | | Numbers | |
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| | | | Shape and space | | | Shape and space | |
| | | | Chapt and space | | | | |
| | | | Learners will Learners will continue | to | Learners will | Learners will continue to | |
| | | | understand that shapes work with 2D and 3D | | Learners will understand that shapes | Learners will continue to work with 2D and 3D | |
| | | | have characteristics that can be described and compared. shapes, developing the understanding that shapes are classified | 9 | understand that shapes have characteristics that can be described and compared. | shapes, developing the understanding that | |
| | | | and compared shapes are classified | 1 | and compared. | shapes are classified | |
| | | | and named accordin their properties. | д то | | and named according to their properties. | |
| | | | | nat | They will understand | | |
| | | | They will understand and use common language to describe They will understand texamples of symmetric and transformations | ry | and use common | They will understand that examples of symmetry and transformations can | |
| | | | paths, regions and be found in their | | paths, regions and | be found in their | |
| | | | boundaries of their immediate environm immediate environment. | ent. | boundaries of their immediate environment. | immediate environment. | |
| | | | Learners will interpre | | | Learners will interpret, | |
| | | | create and use simp directions and speci vocabulary to descri | e | | create and use simple | |
| | | | vocabulary to descri | oe e | | vocabulary to describe | |
| | | | paths, regions, positions and | | | create and use simple directions and specific vocabulary to describe paths, regions, positions and | |
| | | | boundaries of their | | | boundaries of their | |
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| | | | PY 1 (Learning Outcomes) | | PY 1 (Learning Outcome | | |
| | | | Constructing Meaning Transfering Meaning | Applying with understanding | Constructing Meaning | Transfering Meaning Applying with | |
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| Data H | andling | Measurement | Shape and space | | Patter | n and Funct | ion | | Numbers | | |
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| | | | | have c that ca and co | stand that shapes characteristics an be described ompared. | earners will continue to work with 2D and 3D shapes, developing the understanding that shapes are classified and named according to heir properties. | | understand that shapes have characteristics that can be described and compared. | shapes, developing the | | |
| | | | | They we and use langua paths, bound immedi | will understand se common age to describe , regions and daries of their diate environment. | heir properties. They will understand that examples of symmetry and transformations can be found in their mmediate environment. | | and use common language to describe paths, regions and boundaries of their immediate environment. | They will understand that examples of symmetry and transformations can be found in their immediate environment. | | |
| | | | | | | Learners will interpret, create and use simple directions and specific rocabulary to describe paths, regions, positions and poundaries of their mmediate environment. | | | Learners will interpret, create and use simple directions and specific vocabulary to describe paths, regions, positions and boundaries of their immediate environment. | | |
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| | | | | | Learning Outcomes | | Applying with | PY 1 (Learning Outcome Constructing Meaning | | Applying with | |
| | | | | Constitu | ructing wearing | Turisiering Wearing | Applying with understanding | Constructing Meaning | | understanding | |
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| Data Handling | Measurement | Shape and space | Pattern and Function | | Numbers | | |
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| | | | Shape and space | Shape and space | | | |
| | | | Learners will understand that shapes have characteristics that can be described and compared. Learners will continue to work with 2D and 3D shapes, developing the understanding that shapes are classified and named according to their properties. | understand that shapes have characteristics that can be described and compared. | shapes, developing the understanding that shapes are classified and named according to their properties. | | |
| | | | They will understand and use common language to describe paths, regions and boundaries of their immediate environment. | language to describe paths, regions and boundaries of their immediate environment. | They will understand that examples of symmetry and transformations can be found in their immediate environment. | | |
| | | | Learners will interpret, create and use simple directions and specific vocabulary to describe paths, regions, positions and boundaries of their immediate environment. | | Learners will interpret, create and use simple directions and specific vocabulary to describe paths, regions, positions and boundaries of their immediate environment. | | |
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| | | | PY 1 (Learning Outcomes) | PY 1 (Learning Outcome | (2) | | |
| | | | Constructing Meaning Transfering Meaning Applying with understandin | Constructing Meaning Transfering Meaning Applying with | | | |
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