



## MATHEMATICAL LITERACY COMMON TESTING GUIDE & SCOPE – 2021

**NB: This scope must be used in conjunction with CAPS; Abridged Section 4 amendments of CAPS; the 2021 Recovery ATP and Examination Guidelines.**

### TERM 1 - CONTROL TEST

<b>GRADE</b>	<b>10</b>
<b>PAPER</b>	<b>One Paper</b>
<b>DURATION OF THE PAPER</b>	<b>1½ hours</b>
<b>TOTAL MARKS</b>	<b>75 Marks</b>

### EXPECTED CURRICULUM COVERAGE/TOPICS/SECTIONS

#### TOPIC: NUMBERS AND CALCULATIONS WITH NUMBER

- Number formats and conventions,
- Operations on whole numbers, decimals and fractions, calculator skills
- Rounding,
- Ratios,
- Proportions,
- Rates,
- Percentages.

**WEEKS 1 TO 4**

#### TOPIC: PATTERNS, RELATIONSHIPS AND REPRESENTATIONS

- Patterns and relationships,
- Pattern and relationship representations
- Interpretation of tables and graphs
- Making sense of graphs that tell a story,
- Write a story from a graph or draw a graph from a story

**WEEKS 5 TO 7**

#### TOPIC: DATA HANDLING

- Developing questions, collecting data, classifying and organizing data.
- Summarising data: Mean, Median, Mode and Range
- Analysing data

**WEEKS 8 TO 9**

### TERM 2 - CONTROL TEST

<b>GRADE</b>	<b>10</b>
<b>PAPER</b>	<b>One Paper</b>
<b>DURATION OF THE PAPER</b>	<b>1½ hours</b>
<b>TOTAL MARKS</b>	<b>75 Marks</b>

### EXPECTED CURRICULUM COVERAGE/TOPICS/SECTIONS

*All topics completed in term 2 will be tested.*

#### TOPIC : FINANCE

- Financial documents: households bills, shopping slips, Banking documents, household budget
- Terminology used in financial documents
- Tariff systems: municipal, telephone, transport and bank fees
- Calculate cost using tariff and /or formulae
- Draw and interpret graphs of various tariff systems

**WEEKS 1 AND 2**

TOPIC: MEASUREMENT	
Conversions	WEEKS 3 AND 4
Operations with numbers	
<ul style="list-style-type: none"><li>Measuring length and distance</li></ul>	
<ul style="list-style-type: none"><li>Measuring mass (weight)</li></ul>	
<ul style="list-style-type: none"><li>Measuring volume (measuring spoons and cups; jugs, bottles and/or canisters; buckets and wheelbarrows) without a formula.</li></ul>	
<ul style="list-style-type: none"><li>Measuring temperature.</li></ul>	
<ul style="list-style-type: none"><li>Measuring time</li></ul>	
<ul style="list-style-type: none"><li>Calculate costs of products and services</li></ul>	
TOPIC: MAPS, PLANS AND OTHER REPRESENTATIONS OF THE PHYSICAL WORLD	
<ul style="list-style-type: none"><li>Scales</li></ul>	WEEKS 5 AND 6
<ul style="list-style-type: none"><li>Maps</li></ul>	
PROBABILITY	
<ul style="list-style-type: none"><li>Expression of probability</li></ul>	
<ul style="list-style-type: none"><li>Events and outcomes/results</li></ul>	
<ul style="list-style-type: none"><li>Prediction, relative frequency &amp; theoretical probability of an event.</li></ul>	
<ul style="list-style-type: none"><li>Tree diagrams and two way tables</li></ul>	
TERM 3 – CONTROL TEST	
GRADE	10
PAPER	One Paper
DURATION OF THE PAPER	1½ hours
TOTAL MARKS	75 Marks
EXPECTED CURRICULUM COVERAGE/TOPICS/SECTIONS	
All topics completed term 3 will be tested.	
TOPIC: FINANCE	
<ul style="list-style-type: none"><li>Income, expenditure, profit/loss, income-and-expenditure statements and budgets</li></ul>	WEEKS 1 to 3
<ul style="list-style-type: none"><li>Interest</li></ul>	
<ul style="list-style-type: none"><li>Taxation</li></ul>	
TOPIC: MEASUREMENT	
<ul style="list-style-type: none"><li>Calculate: perimeter, area, volume of rectangles, triangles and circles using formulae</li></ul>	WEEKS 4 to 5
<ul style="list-style-type: none"><li>Calculate the cost of products</li></ul>	
TOPIC: MAPS, PLANS AND OTHER REPRESENTATIONS OF THE PHYSICAL WORLD	
<ul style="list-style-type: none"><li>Floor plans and design</li></ul>	WEEKS 6 to 8
<ul style="list-style-type: none"><li>Plans (instructions/ assembly diagrams)</li></ul>	
<ul style="list-style-type: none"><li>Models</li></ul>	