

**OSEB****P.3 MATHEMATICS LESSON NOTES TERM.3****Breakdown for term III**

## 1. Geometry

- i) Naming and drawing shapes
- ii) Counting shapes

## 2. Measures

- i) Days of the week
- ii) Telling time
- iii) Months of the year
- iv) Length

- Addition of metres and centimeters
- Subtraction of metres and centimeters
- Changing from metres to centimeters
- Changing from centimeters to metres
- Finding perimeter and area

## v) Capacity

- Changing from litres to centiliters
- Changing from centiliters to litres
- Addition of litres and centilitres
- Subtraction of litres and centiliters

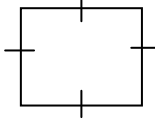
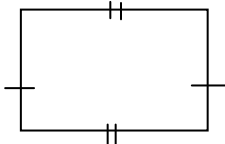
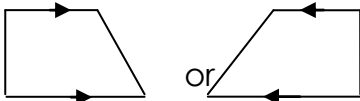
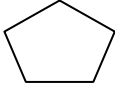
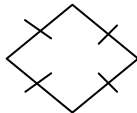
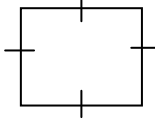
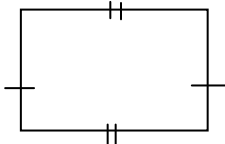
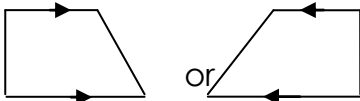
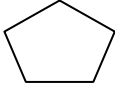
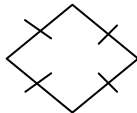
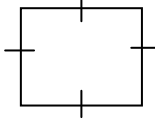
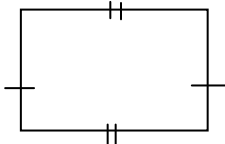
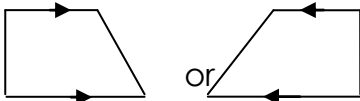
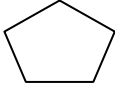
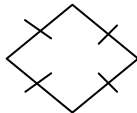
## vi) Weight

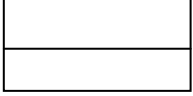
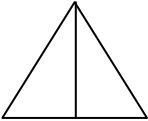
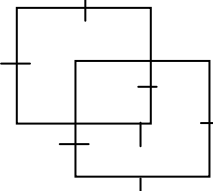
- Estimation of weight
- Comparing weight
- Changing from kilograms to grams
- Changing from grams to kilograms
- Addition of kilograms and grams
- Subtraction of kilograms and grams

## vii) Money

- Addition of money
- Subtraction of money
- Shopping
- Multiplication of money
- Division of money


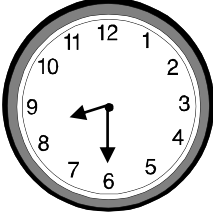
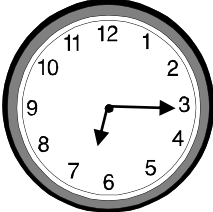
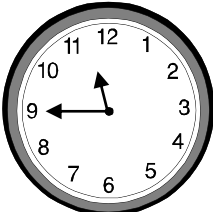
- viii) Algebra
  - Finding unknown
  - Addition
  - Subtraction
  - Multiplication
  - Division
  - Word problems
- ix) Collecting like terms

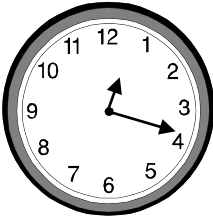
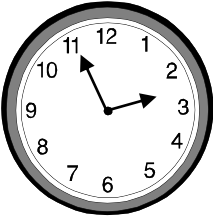
Topic Subtopic content	<b>Lesson 1</b> <b>Geometry</b> <b>Types of shapes</b> <b>Definition</b> Geometry is a branch of mathematics that deals with the study of shapes and their properties. <u>Types of shapes</u>																		
	<table><tr><th>Shape</th><th>Name</th><th>Properties</th></tr><tr><td></td><td>Square</td><td><ul style="list-style-type: none"><li>- All sides are equal</li><li>- Has 4 sides</li></ul></td></tr><tr><td></td><td>Rectangle</td><td><ul style="list-style-type: none"><li>- Two opposite sides are equal</li><li>- Has 4 sides</li></ul></td></tr><tr><td></td><td>Trapezium</td><td><ul style="list-style-type: none"><li>- Two opposite sides are parallel</li><li>- Has 4 sides</li></ul></td></tr><tr><td></td><td>Pentagon</td><td><ul style="list-style-type: none"><li>- Has 5 sides</li></ul></td></tr><tr><td></td><td>Rhombus</td><td><ul style="list-style-type: none"><li>- All sides are equal</li><li>- Has 4 sides</li></ul></td></tr></table>	Shape	Name	Properties		Square	<ul style="list-style-type: none"><li>- All sides are equal</li><li>- Has 4 sides</li></ul>		Rectangle	<ul style="list-style-type: none"><li>- Two opposite sides are equal</li><li>- Has 4 sides</li></ul>		Trapezium	<ul style="list-style-type: none"><li>- Two opposite sides are parallel</li><li>- Has 4 sides</li></ul>		Pentagon	<ul style="list-style-type: none"><li>- Has 5 sides</li></ul>		Rhombus	<ul style="list-style-type: none"><li>- All sides are equal</li><li>- Has 4 sides</li></ul>
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<b>Evaluation Activity</b>	An activity from Understanding Mathematics BK3 pg63 and MK bk3 p117.																		

<p>Topic Subtopic content</p>	<p><b>Lesson 2</b> <b>Geometry</b> <b>Counting shapes</b> <b>Example</b> a) Count the rectangles   = 3 rectangles  b) Count the triangles   = 3 triangles  c) Count the squares   = 3 squares  <b>Evaluation activity</b> An activity from MK bk3 pg118</p>
<p>Topic Subtopic content</p>	<p><b>Lesson 3</b> <b>Measures</b> <b>Days of the week</b> <b>Listing the days of the week</b> Sunday Monday Tuesday Wednesday Thursday Friday Saturday <b>Questions</b> a) What is the first day of the week? b) What is the last day of the week? c) Which day of the week comes after the first day of the week? d) Name the day of the week that comes before a day Muslims go for prayers? <b>An activity from MK Bk 3 Pg 126</b></p>
<p>Topic Subtopic content</p>	<p><b>Lesson 4</b> <b>Measures</b> <b>Changing weeks to days</b> <b>Examples</b> How many days are there in 2 weeks? 1 week has 7 days</p>

<b>Evaluation activity</b>	2 weeks have (2 x 7) = 14 days An activity from MK bk3 pg126																																											
Topic Subtopic content	<b>Lesson 5</b> <b>Measures</b> <b>Changing days to weeks</b> <b>Example</b> Convert 21 days to weeks Solution 7 days make a week 21 days make $\frac{21}{7} = 3$ weeks																																											
<b>Evaluation</b>	An activity from teachers' own collection																																											
Topic Subtopic content	<b>Lesson 6</b> <b>Measures</b> <b>Completing tables about days and weeks</b> <b>Examples</b> <table><tr><td><b>Weeks</b></td><td>1</td><td>2</td><td>3</td><td>4</td><td></td><td></td><td>7</td></tr><tr><td><b>Days</b></td><td>7</td><td>14</td><td></td><td></td><td>35</td><td>42</td><td></td></tr></table> <p><math>1 \times 7</math>      <math>2 \times 7</math>                                      <math>35 \div 7</math> <b>1 - 7 days 14</b>    <b>5</b></p>								<b>Weeks</b>	1	2	3	4			7	<b>Days</b>	7	14			35	42																					
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Topic Subtopic content	<b>Lesson 26</b> <b>Measures</b> <b>Months of the year with their days</b> <b>Listing months of the year</b> <table><tr><td>1. January</td><td>-</td><td>31</td></tr><tr><td>2. February</td><td>-</td><td>28/29</td></tr><tr><td>3. March</td><td>-</td><td>31</td></tr><tr><td>4. April</td><td>-</td><td>30</td></tr><tr><td>5. May</td><td>-</td><td>31</td></tr><tr><td>6. June</td><td>-</td><td>30</td></tr><tr><td>7. July</td><td>-</td><td>31</td></tr><tr><td>8. August</td><td>-</td><td>31</td></tr><tr><td>9. September</td><td>-</td><td>30</td></tr><tr><td>10. October</td><td>-</td><td>31</td></tr><tr><td>11. November</td><td>-</td><td>30</td></tr><tr><td>12. December</td><td>-</td><td>31</td></tr></table>								1. January	-	31	2. February	-	28/29	3. March	-	31	4. April	-	30	5. May	-	31	6. June	-	30	7. July	-	31	8. August	-	31	9. September	-	30	10. October	-	31	11. November	-	30	12. December	-	31
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12. December	-	31																																										
<b>Evaluation</b>	Formulated questions by the teacher Mk bk3 pg138																																											
Topic	<b>Lesson 9</b> <b>Measures</b>																																											

Subtopic content	<b>Changing years to months</b> <b>Example</b> There are 12 months in a year. How many months are in 2 years? 1 year has 12 months 2 years have (2 x 12) = 24 months <b>Evaluation</b> Mk bk3 pg139												
Topic Subtopic content	<b>Lesson 28</b> <b>Measures</b> <b>Changing months to years</b> <b>Example</b> How many years are in 36 months? (use repeated subtraction) <div><div><div>3</div><div>6</div><div>-1</div><div>2</div><div>2</div><div>4</div></div><div>↓</div><div>-1</div><div>2</div><div>1</div><div>2</div><div>-1</div><div>2</div><div>0</div><div>0</div></div> ∴ 3 years are in 36 months. <b>Evaluation</b> An activity from teacher's own collection												
Topic Subtopic content	<b>Lesson 10</b> <b>Measures</b> <b>Completing tables about months and years</b> <b>Example</b> Complete the table below <table><tr><td><b>Years</b></td><td>1</td><td>2</td><td><u>3</u></td><td>4</td><td>.....</td></tr><tr><td><b>Months</b></td><td>12</td><td>24</td><td>36</td><td>.....</td><td>60</td></tr></table> <div><div>2 x 12 = 24 months</div><div>36 ÷ 12 3 years</div></div> <b>Evaluation</b> An activity from MK bk3 pg139	<b>Years</b>	1	2	<u>3</u>	4	.....	<b>Months</b>	12	24	36	.....	60
<b>Years</b>	1	2	<u>3</u>	4	.....								
<b>Months</b>	12	24	36	.....	60								
Topic Subtopic content	<b>Lesson 11</b> <b>Measures</b> <b>How old: (Finding one's age)</b> <b>Example</b> Mike was born in 1989. How old was he in 1997? <div><div>1997</div><div>-1989</div><div>0008</div></div> years Mike was 8 years old <b>Evaluation</b> An activity from MK bk3 pg140												
Topic	<b>Lesson 13</b> Measures												





Subtopic content	<p>Telling time Telling time in hours Eg. Tell the time</p>  <p>It is 12 o'clock or 12:00</p>
Evaluation	MK bk 3 pg 127
Topic Subtopic content	<p><b>Lesson 14</b> Telling time Telling time in a half past e.g. tell the time</p>  <p>It is a half 8 o'clock or 8:30</p>
Evaluation	MK bk 3 pg 129
Topic Subtopic content	<p><b>Lesson 15</b> Telling time Telling time using a quarter past e.g. tell the time</p>  <p>it is a quarter past 7 o'clock or 7:15</p>
Evaluation	MK bk 3 pg 128-129
Topic Subtopic content	<p><b>Lesson 16</b> Telling time Telling time using a quarter to e.g. tell the time</p>  <p>it is a quarter to 12 o'clock or 11:45</p>
Evaluation	MK bk 3 pg 132
Topic Subtopic	<p><b>Lesson 17</b> Measures Telling time</p>

content	<p>Telling time in minutes past e.g. it is 20 minutes past 12 o'clock</p> 
<b>Evaluation</b>	MK 2000 bk 3 pg 133-134
Topic Subtopic content	<p><b>Lesson 18</b> Measures Telling time Telling time in minutes to e.g. it is 5 minutes to 3 o'clock or 2:55</p> 
<b>Evaluation</b>	MK 2000 MTC bk 3 pg 136-137
Topic Subtopic content	<p><b>Lesson 19</b> Telling time Word problem e.g change 2 hours to minutes  <math>2 \text{ hours} = \text{minutes}</math>                      <math>1 \text{ hour} = 60 \text{ minutes}</math>  <math>1 \text{ hour} = 60 \text{ minutes}</math>                      or <math>2 \text{ hours} = 60 \times 2 = 120 \text{ minutes}</math>  <math>2 \text{ hours} = 60 \times 2</math>  <math>\quad \quad \quad 60</math>  <math>\quad \quad \quad \underline{\times 2}</math>  <math>\quad \quad \quad \underline{120}</math></p>
<b>Evaluation</b>	<p>Convert 3 hours to minutes Change 4 hours to minutes How many minutes are there in 5 hours?</p>
Topic Subtopic content	<p><b>Lesson 20</b> Telling time Word problem Changing from minutes to hours e.g. convert 120 minutes to hours  <math>120 \text{ minutes} = \text{hours}</math>  <math>60 \text{ minutes} = 1 \text{ hour}</math>  <math>120 \text{ minutes} = 120 \div 60</math>  <math>\quad \quad \quad \underline{120} = 2 \text{ hours}</math></p>

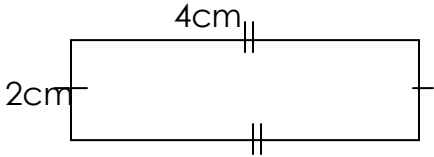


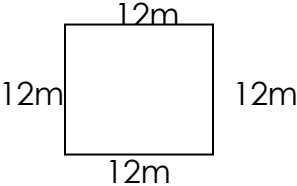
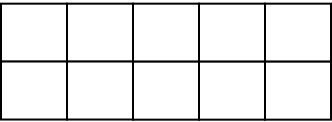
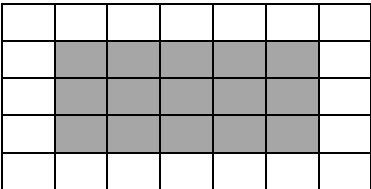
	60												
<b>Evaluation</b>	Change 360 minutes to hours Convert 120 minutes to hours												
Topic Subtopic content	<b>Lesson 21</b> Measures Drawing and showing on a clock face Represent e.g. a half past 3 o'clock a quarter to 8 o'clock a quarter past 2 o'clock												
<b>Evaluation</b>	MK 2000 MTC bk 3 pg 137												
Topic Subtopic content	<b>Lesson 22</b> <b>Measures</b> <b>Money</b> <b>Recognition of money</b> <table> <tr> <td><u>Notes</u></td><td><u>Coins</u></td></tr> <tr> <td>1000 note</td><td>50 coin</td></tr> <tr> <td>50,000 note</td><td>100 coins</td></tr> <tr> <td>5000 note</td><td>200 coins</td></tr> <tr> <td>10000 note</td><td>500 coins</td></tr> <tr> <td>20000 note</td><td></td></tr> </table> Addition of money (1) (2) Shs 200 shs 1000 + shs 500 + shs 100 <u>Shs 50</u> shs 1000 <u>Shs 250</u> shs 500 + shs 100 <u>Shs 1600</u>	<u>Notes</u>	<u>Coins</u>	1000 note	50 coin	50,000 note	100 coins	5000 note	200 coins	10000 note	500 coins	20000 note	
<u>Notes</u>	<u>Coins</u>												
1000 note	50 coin												
50,000 note	100 coins												
5000 note	200 coins												
10000 note	500 coins												
20000 note													
<b>Evaluation</b>	An activity from MK bk3 pg176 and 178												
Topic Subtopic content	<b>Lesson 23</b> <b>Measures</b> <b>Money</b> <b>Addition of money (word problems)</b> Examples I had 100 shillings. My father gave me 50 shillings more. How much money do I have altogether? I had 100 shillings Father gave me + <u>50 shillings</u> I have <u>150 shillings</u>												
<b>Evaluation</b>	Mk bk3 pg178												
Topic	<b>Lesson 24</b> <b>Measures</b>												

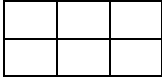


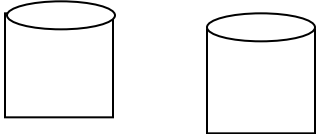
Subtopic content	<b>Money</b> <b>Subtraction of money (word problems)</b> Example Mukooza had shs 350. He gave away shs 100. How much money did he remain with? $\begin{array}{r} \text{Shs } 350 \\ - \text{shs } 100 \\ \hline \text{Shs } 250 \end{array}$														
Evaluation	Mk bk3 pg180														
Topic Subtopic content	<b>Lesson 25</b> <b>Measures</b> <b>Money</b> <b>Shopping</b> Example The table below shows the price list in Mrs. Yiga's shop. Use it to answer the questions that follow <table border="1" data-bbox="380 989 802 1381"> <thead> <tr> <th>Item</th><th>Price</th></tr> </thead> <tbody> <tr> <td>A book</td><td>shs 100</td></tr> <tr> <td>A pencil</td><td>shs 250</td></tr> <tr> <td>An egg</td><td>shs 300</td></tr> <tr> <td>A bar of soap</td><td>shs 500</td></tr> <tr> <td>A kg of rice</td><td>shs 800</td></tr> <tr> <td>A pen</td><td>shs 200</td></tr> </tbody> </table>	Item	Price	A book	shs 100	A pencil	shs 250	An egg	shs 300	A bar of soap	shs 500	A kg of rice	shs 800	A pen	shs 200
Item	Price														
A book	shs 100														
A pencil	shs 250														
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A bar of soap	shs 500														
A kg of rice	shs 800														
A pen	shs 200														
Evaluation	<b>Questions</b> a) How much does a pencil cost? b) What is the cost of an egg and a pen? Mk bk3 pg181														
Topic Subtopic content	<b>Lesson 26</b> <b>Topic: Measures</b> <b>Subtopic: Money</b> <b>Content: Shopping with pictorial</b> Example A bag                      an apple                      A pencil                      a book														

	 Shs 500  shs 800  shs 100  shs 300
<b>Evaluation</b>	<p>a) What is the cost of 2 pencils? Shs 100 x 2 = shs 200</p> <p>b) What is the cost of 3 bags and 2 books? Bags = 3 x 500 = shs 1500 Books = 2 x 300 = <u>+ shs 600</u> Shs 2100</p> <p>From understanding mathematics bk 3 pg 73.</p>
Topic Subtopic content	<p><b>Lesson 27</b> <b>Measures</b> <b>Money</b> <b>Division of money</b> Examples Divide shs 1200 by 3</p> $  \begin{array}{r}  0400 \\  3 \overline{) 1200} \\  0 \times 3 = \underline{0} \\  12 \\  4 \times 3 = \underline{12} \\  \underline{00}  \end{array}  $ <p><math>\therefore \text{shs } 1200 \div 3 = \text{shs } 400</math></p>
<b>Evaluation</b>	MK bk3 pg187
Topic Subtopic content	<p><b>Lesson 28</b> <b>Measures</b> <b>Money</b> <b>Word problems involving division of money</b> Example Mr. Kasule had shs 800. He shared it equally between his two children. How much did each child get?</p>
<b>Evaluation</b>	$  \begin{array}{r}  400 \\  2 \overline{) 800} \\  4 \times 2 = \underline{8} \\  000 \\  2 \times 0 = \underline{00} \\  \underline{00}  \end{array}  $

	<p>∴ Each child gets shs 400</p> <p>Mk bk3 og187</p>
<p>Topic Subtopic Content</p>	<p><b>Lesson 29</b> Measures Length Units for length e.g centimeter , metres, decimeter, hectometers , kilograms changing from metres to centimeter e.g. convert 3 metres to centimeters 3m = cm 1m = 100cm 3m = 100 100 +100 <u>300cm</u></p>
Evaluation	Activity in MK 2000 Mtc bk 3
<p>Topic Subtopic Content</p>	<p><b>Lesson 30</b> Measures Changing from centimeters to metre Example Change 200cm to metres 100cm = 1 m 200cm = <math>\left( \frac{200\text{cm}}{100} \right) = 2\text{metres}</math></p>
Evaluation	Activity MK bk 3
<p>Topic Subtopic Content</p>	<p><b>Lesson 31</b> Measures Addition of metres and centimeters Examples Add;  <math display="block">\begin{array}{r} \text{M} \quad \text{cm} \\ 2 \quad 45 \\ + 6 \quad 36 \\ \hline 8 \quad 81 \end{array}</math></p>
Evaluation	Activity in Mk 2000 Mtc bk 3 pg 14
<p>Topic Subtopic Content</p>	<p><b>Lesson 32</b> Measures Word problem involving addition of metres and centimeters Example; A shopkeeper has 2m 38cm of nylon cloth and 6m 30cm of cotton cloth. What is the total length of the pieces of cloth.  <math display="block">\begin{array}{r} \text{M} \quad \text{cm} \end{array}</math></p>

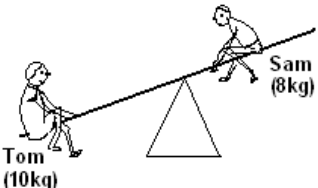
	$\begin{array}{r} 4 \quad 38 \\ + 6 \quad 30 \\ \hline 10 \quad 68 \end{array}$
Evaluation	Activity in MK 2000 bk 3 pg 148
Topic Subtopic Content	<b>Lesson 33</b> Measures Subtraction of metres and centimeters Example $\begin{array}{r} \text{M} \quad \text{cm} \\ 6 \quad 50 \\ - 4 \quad 30 \\ \hline 2 \quad 20 \end{array}$
Evaluation	Activity Mk 2000 MTC bk 3 pg 149
Topic Subtopic Content	<b>Lesson 34</b> Measures Word problem involving subtraction of metres and centimeters Example Musa had a string of 8m 47cm. he cut off 2m 16cm. what length of the string was left? $\begin{array}{r} \text{M} \quad \text{cm} \\ 8 \quad 47 \\ - 2 \quad 16 \\ \hline 6 \quad 31 \end{array}$
Evaluation	Activity in Mk bk 3 pg 150
Topic Subtopic Content	<b>Lesson 35</b> Measures Finding perimeters Perimeter Definition: perimeter is the total distance around any give figure   Example Find the perimeter of the figure below 
Evaluation	$P = s+s+s+s$ $4\text{cm} + 2\text{cm} + 4\text{cm} + 2\text{cm}$

	$6\text{cm} + 6\text{cm}$ $= 12\text{cm}$  Activity in MK bk 3
Topic Subtopic Content	<b>Lesson 36</b> Measures Word problems involving finding perimeter of a shape Example A square garden measures 12m each side. Find its perimeter <div style="text-align: center;">  </div> $  \begin{aligned}  P &= s+s+s+s \\  &= 12\text{m}+12\text{m}+12\text{m}+12\text{m} \\  &= 24\text{m} + 24\text{m} \\  &= 24\text{m} \\  &\quad + 24\text{m} \\  &\hline  &48\text{m}  \end{aligned}  $
Evaluation	Activity in MK MTC bk 3
Topic Subtopic Content	<b>Lesson 37</b> Measures Finding area Example ; counting squares <div style="text-align: center;">  </div> <p>Area = number of square units          12sq units.</p>
Evaluation	Activity in MK MTC bk 3 pg 152
Topic Subtopic Content	<b>Lesson 38</b> Measures Finding area of the shaded part Example; area = number of sq units $= 15 \text{ sq. units}$ <div style="text-align: center;">  </div>

Evaluation	Activity in MK MTC bk 3 pg 155
Topic Subtopic Content	<p><b>Lesson 39</b> Measures Finding the area by multiplying Example; area = number of sq. units  <math display="block">= (3 \text{ squares across}) \times (2 \text{ squares down})</math> <math display="block">= 3 \times 2</math> <math display="block">= 6 \text{ squares units or } 6 \text{ sq. units}</math> </p> <p>Example 2;      area = length x width  8cm                      8cm x 3cm        24cm<sup>2</sup> or 24 sq. centimeters  3cm</p>
Evaluation	Activity in MK bk 3 pg 155-156
Topic Subtopic Content	<p><b>Lesson 40</b> Measures Word problem involving finding area Example Mary's note book is 4cm long and 3cm wide Find its area  4cm                      area = L x W        3cm      = 4cm x 3cm                                   = 12cm<sup>2</sup></p>
Evaluation	Activity in Mk MTC bk 3 pg 157-158
Topic Subtopic Content	<p><b>Lesson 41</b> Capacity Energy in our sub county</p> <p>Example: How many <math>\frac{1}{2}</math> litres make a litre.</p>  <p><math>\frac{1}{2}</math> litre + <math>\frac{1}{2}</math> litre = 1 litre  Therefore, 1 litre = 2 halves  New MK bk 3 pg 161</p>
Topic Subtopic	<p><b>Lesson 42</b> Capacity Changing litres to centilitres</p>

Content	1 litre = 100cl 3 litres = (3x100)cl 3litres = 300cl								
Evaluation	Teachers collection								
Topic Subtopic Content	<b>Lesson 43</b> Capacity Changing centiliters to litres Example: How many litres are in 500cl? 1 litre = 100cl ? = 500cl $\frac{500\text{cl}}{100\text{cl}}$ litres = 5 litres								
Evaluation	Teacher's collection								
Topic Subtopic Content	<b>Lesson 44</b> Capacity Adding litres and centiliters Example; Add; $\begin{array}{r} 1 \ 5 \ 0 \text{ litres} \\ + 3 \ 5 \ 0 \text{ litres} \\ \hline 5 \ 0 \ 0 \text{ litres} \end{array}$  Example 2 Add; <table> <tr> <td>Litres</td> <td>centiliters</td> </tr> <tr> <td>3</td> <td>25</td> </tr> <tr> <td>+2</td> <td>60</td> </tr> <tr> <td><u>5</u></td> <td><u>85</u></td> </tr> </table>	Litres	centiliters	3	25	+2	60	<u>5</u>	<u>85</u>
Litres	centiliters								
3	25								
+2	60								
<u>5</u>	<u>85</u>								
Evaluation	Teachers' collection								
Topic Subtopic Content	<b>Lesson 45</b> Capacity Word problem involving addition of litres. Mr. Lubega made 24 litres of juice and Kato made 78 litres. How much juice did the two men make? $\begin{array}{r} 2 \ 4 \text{ litres} \\ + 7 \ 8 \text{ litres} \\ \hline 10 \ 2 \text{ litres} \end{array}$ Therefore, they made 102 litres of juice								
Evaluation	New MK nk 3 pg 163								
	<b>Lesson 46</b>								



Topic Subtopic Content	Capacity Subtraction of litres and centiliters Example: $\begin{array}{r} 2 \quad 4 \quad 7 \text{ litres} \\ - \quad 2 \quad 5 \text{ litres} \\ \hline 2 \quad 2 \quad 2 \text{ litres} \end{array}$
Evaluation	
Topic Subtopic Content	<b>Lesson 47</b> Measures Weight Definition : weight is the lightness or heaviness of an object. Units measuring weight Examples Kilograms Grams Hectogram Changing kilogram to grams Example Change 3kg to grams $1\text{kg} = 1000\text{g}$ $3\text{kg} = 1000\text{g}$ $\begin{array}{r} 1000\text{g} \\ 1000\text{g} \\ + 3000\text{g} \end{array}$ $\begin{array}{r} 1\text{kg} = 1000\text{g} \\ 3\text{kg} = 1000\text{g} \\ \times \quad 3 \\ \hline 3000\text{g} \end{array}$
Evaluation	Activity in MK MTc bk 4
Topic Subtopic Content	<b>Lesson 48</b> Measures Weight Changing from grams to kilograms Example Change 2000g to kilograms $1000\text{g} = 1\text{kg}$ $2000\text{g} = \left( \frac{2000\text{g}}{1000\text{g}} \right) \text{kg} = 2\text{kg}$
Evaluation	
Topic Subtopic Content	<b>Lesson 49</b> Measures Weight Comparing weight Who is heavier? Example 

Evaluation	Activity in MK MTC bk 3 pg 168
Topic Subtopic Content	<b>Lesson 50</b> Measures Weight Addition of kilograms and grams Example $\begin{array}{r} \text{Kg} \quad \text{g} \\ 4 \quad 250 \\ +2 \quad 300 \\ \hline 6 \quad 550 \end{array}$
Evaluation	Activity in MK bk 3 pg 171
Topic Subtopic Content	<b>Lesson 51</b> Measures Weight Word problem involving addition of kilograms and grams Example Kato weighs 17kg 280 g. his sister weighs 20kg 250g. find their total weight. $\begin{array}{r} \text{Kg} \quad \text{g} \\ 17 \quad 280 \\ +20 \quad 250 \\ \hline 37 \quad 530 \end{array}$
Evaluation	Activity in MK bk 3 pg 172
Topic Subtopic Content	<b>Lesson 52</b> Measures Weight Subtraction of kilograms and grams Example $\begin{array}{r} \text{Kg} \quad \text{g} \\ 9 \quad 650 \\ -7 \quad 200 \\ \hline 2 \quad 450 \end{array}$
Evaluation	Activity in Mk bk 3 pg 173
Topic Subtopic Content	<b>Lesson 53</b> Measures Weight Word problems involving subtraction of kilograms and grams Example Akot had 5kg 750g of salt. She gave 3kg 250g to her friend. How much salt was left?

	$\begin{array}{r} \text{Kg} \quad \text{g} \\ 5 \quad 750 \\ -3 \quad 250 \\ \hline 2 \quad 500 \end{array}$
Evaluation	Activity in Mk bk 3 pg 174
Topic Subtopic Content	<b>Lesson 54</b> Algebra Finding missing numbers Example $\square + 3 = 8$ $\square + 3 - 3 = 8 - 3$ $\square + 0 = 5$
Evaluation	$= 5$ Activity Mk bk 3 pg 192
Topic Subtopic Content	<b>Lesson 55</b> Algebra Word problems involving algebra Example Nakito had some books. She was given 12 more books. Now she has 20 books. How many books had Nakito had at first? $\square + 12 = 20$ $+ 12 - 12 = 20 - 12$ $+ 0 = 8$ $= 8$ Nakito had 8 books first
Evaluation	Activity MK bk 3 pg 192
Topic Subtopic Content	<b>Lesson 56</b> Algebra Finding unknowns involving subtraction Example $M - 5 = 3$ $M - 5 + 5 = 3 + 5$ $M - 0 = 8$ $M = 8$
Evaluation	Activity in Mk mtc bk 3 p 194
Topic Subtopic Content	<b>Lesson 57</b> Algebra Word problems involving subtraction of unknowns Example

	<p>Father had some mangoes. He gave 5 mangoes to his son. He remained with 7 mangoes. How many mangoes did he have at first?</p> $\square - 5 = 7$ $- 5 + 5 = 7 + 5$ $- 0 = 12$ $= 12$ <p>He had 12 mangoes at first.</p>
Evaluation	Activity in Mk mtc bk 3 pg 194
Topic Subtopic Content	<p><b>Lesson 58</b> Algebra Finding missing numbers in multiplication Example</p> $\square \times 2 = 10$ $\square \times 2 \div 2 = 10 \div 2$ $\square \times 1 = 5$ $= 5$
Evaluation	Activity in MK bk 3 pg 196
Topic Subtopic Content	<p><b>Lesson 59</b> Algebra Finding missing numbers involving division Example</p> $6 \div \square = 3$ $\square = 6 \div 3$ $\square = 2$
Evaluation	Activity in Mk mtc bk 3 pg 197
Topic Subtopic Content	<p><b>Lesson 60</b> Algebra Word problems involving finding missing numbers with division Example</p> <p>Auma had some bananas. He shared them among 6 boys. Each boy got 8 bananas. How many bananas had Auma had before?</p> $\square \div 6 = 8$ $\square = 8 \times 6$ $\square = 48$ <p>Auma had 48 bananas before</p>
Evaluation	Activity in Mk mtc bk 3 pg 198
Topic	<p><b>Lesson 61</b> Algebra</p>

Subtopic Content	Collecting like terms Example Collect like terms 3 cups + 2 books + 4 cups + 3 books 3 cups + 4 cups + 2 books + 3 books 7 cups + 5 books
Evaluation	Activity in MK mtc bk 4