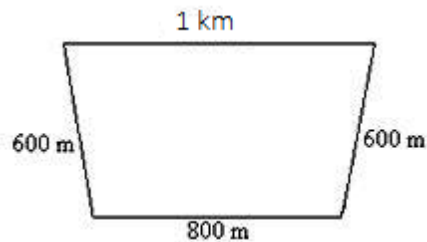
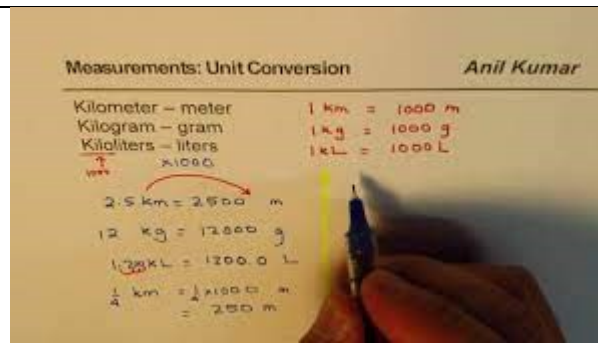


## BASIC 7

### WEEKLY LESSON PLAN – WEEK 4

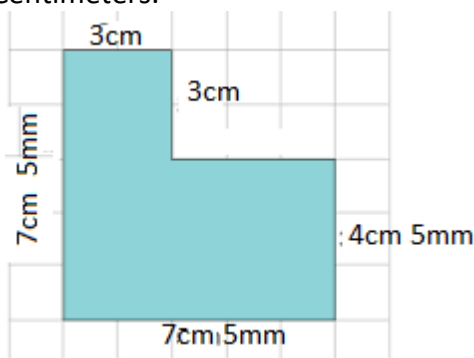
<b>Learning Indicator(s)</b>	B.7.3.2.1																																																																							
<b>Performance Indicator</b>	<p>B.7.3.2.1.1 Calculate the perimeter of given shapes whose dimensions are in two units (i.e. cm and mm, m and cm, or km and m)</p> <p>B7.3.2.1.2 Use the relationships between the diameter and circumference to deduce the formula for finding the circumference of a circle and use it to solve problems.</p>																																																																							
<b>Week Ending</b>	07-10-2022																																																																							
<b>FORM</b>	B.S.7																																																																							
<b>Subject</b>	Mathematics																																																																							
<b>Reference</b>	Teachers Resource Pack, Learners Resource Pack, Textbook.																																																																							
<b>Teaching / Learning Resources</b>	Meter Rule, Pictures, Shapes																																																																							
<b>DAYS</b>	<b>PHASE 1 : STARTER</b>	<b>PHASE 2: MAIN</b>	<b>PHASE 3: REFECTION</b>																																																																					
<b>MONDAY 03-10-2022</b>	Review Learners knowledge on finding perimeter of shapes.	<ol style="list-style-type: none"> <li>1. Assist Learners to calculate the perimeter of shapes with dimensions given in kilometers and meters.</li> <li>2. Learners individually convert meters into kilometers.</li> <li>3. Assist Learners to add distances around shapes.</li> </ol> <div style="text-align: center;"> <p><small>UNIT CONVERSION TABLE (Linear Measurement)</small></p> <table border="1" style="margin: auto; border-collapse: collapse; font-size: 8px;"> <thead> <tr> <th>SR. No.</th> <th>UNIT</th> <th>EQUIVALENT UNITS</th> </tr> </thead> <tbody> <tr><td>01</td><td>1 kilometre</td><td>1000 metre</td></tr> <tr><td>02</td><td>1 kilometre</td><td>0.62 mile</td></tr> <tr><td>03</td><td>1 metre</td><td>100 centimetre</td></tr> <tr><td>04</td><td>1 metre</td><td>3.28 feet</td></tr> <tr><td>05</td><td>1 metre</td><td>1.093 yard</td></tr> <tr><td>06</td><td>1 centimetre</td><td>10 millimetre</td></tr> <tr><td>07</td><td>1 centimetre</td><td>0.393 inch</td></tr> <tr><td>08</td><td>1 mile</td><td>8.00 furlong</td></tr> <tr><td>09</td><td>1 furlong</td><td>220 yards</td></tr> <tr><td>10</td><td>1 yard</td><td>3 feet</td></tr> <tr><td>11</td><td>1 mile</td><td>5280 feet</td></tr> <tr><td>12</td><td>1 metre</td><td>0.001 kilometre</td></tr> <tr><td>13</td><td>1 mile</td><td>1.61 kilometre</td></tr> <tr><td>14</td><td>1 centimetre</td><td>0.01 metre</td></tr> <tr><td>15</td><td>1 foot</td><td>0.305 metre</td></tr> <tr><td>16</td><td>1 yard</td><td>0.914 metre</td></tr> <tr><td>17</td><td>1 millimetre</td><td>0.10 centimetre</td></tr> <tr><td>18</td><td>1 inch</td><td>2.54 centimetre</td></tr> <tr><td>19</td><td>1 furlong</td><td>0.125 mile</td></tr> <tr><td>20</td><td>1 yard</td><td>0.0045 furlong</td></tr> <tr><td>21</td><td>1 foot</td><td>0.333 yard</td></tr> <tr><td>22</td><td>1 foot</td><td>0.00019 mile</td></tr> </tbody> </table> <p style="text-align: center; font-size: 8px;"><small>www.careercivil.com</small></p> </div>	SR. No.	UNIT	EQUIVALENT UNITS	01	1 kilometre	1000 metre	02	1 kilometre	0.62 mile	03	1 metre	100 centimetre	04	1 metre	3.28 feet	05	1 metre	1.093 yard	06	1 centimetre	10 millimetre	07	1 centimetre	0.393 inch	08	1 mile	8.00 furlong	09	1 furlong	220 yards	10	1 yard	3 feet	11	1 mile	5280 feet	12	1 metre	0.001 kilometre	13	1 mile	1.61 kilometre	14	1 centimetre	0.01 metre	15	1 foot	0.305 metre	16	1 yard	0.914 metre	17	1 millimetre	0.10 centimetre	18	1 inch	2.54 centimetre	19	1 furlong	0.125 mile	20	1 yard	0.0045 furlong	21	1 foot	0.333 yard	22	1 foot	0.00019 mile	<p><b>Core Competencies;</b></p> <ol style="list-style-type: none"> <li>1. Ability to combine Information and ideas from several sources to reach a conclusion</li> <li>2. Demonstrate behaviour and skills of working towards group goals</li> </ol>
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**TUESDAY**  
**04-10-2022**

Learners brainstorm to convert centimeters to millimeters.

1. Assist Learners to calculate the perimeter of a shape with dimensions given in cm and mm.
2. Discuss with Learners how to convert millimeters to decimal fractions in Centimeters.



To convert from millimeters to centimeters, divide the value in millimeters by 10.

So,  $1 \text{ mm} = \frac{1}{10} = \frac{1}{10} = 0.1 \text{ cm}$  (exactly).

To get a fast approximate value, you can multiply the value in millimeters by 0.1.

So,  $1 \text{ mm} = 1 \times 0.1 = 0.1 \text{ centimeter}$

**Core Competencies;**

1. Ability to combine Information and ideas from several sources to reach a conclusion
2. Demonstrate behaviour and skills of working towards group goals

**THURSDAY**  
**06-10-2022**

Review Learners Knowledge on how to convert from centimeters to meters.

1. Assist Learners to calculate the perimeter of a shape with dimensions given in m and cm
2. Discuss with Learners how to convert meters to decimal fractions in Centimeters.

Meters	Centimetres
0.01 m	1 cm
0.02 m	2 cm
0.03 m	3 cm
0.04 m	4 cm
0.05 m	5 cm
0.06 m	6 cm
0.07 m	7 cm
0.08 m	8 cm
0.09 m	9 cm
0.1 m	10 cm
0.2 m	20 cm

**Core Competencies;**

1. Ability to combine Information and ideas from several sources to reach a conclusion
2. Demonstrate behaviour and skills of working towards group goals