

## TEMPLATE FOR ASSESSMENTS




1. Read Guidelines – in case of any doubt check with your mentor.
2. The final submission will have to be in soft copy in MS word as per template shared below.
3. Use Calibri font size 9
4. Keep Questions short and crisp. Word count should not exceed 20 words for questions and 8 words for options.
5. In the last row – mention the correct option as a) or b)
6. The Blooms level has been fixed – so please design question accordingly.
7. The rows heights have been fixed, so that the table size is not changed. If you have any problem, use this link to learn how to fix it [YouTube](#)

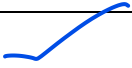

Insert the exact details within the < >

<22103>: <BMS>: <Basic Mathematics>: <Mensuration>: <co4\_uo 4.2>: <Assessments>: <Formative>

<Mrs. Sujata Patil>

**Assessment Type: Formative Assessments: Embedded questions in video**

Set 1: Question No 1	Set 1: Question No 2	Set 1: Question No 3
The diagonals of a rhombus are 7.5 cm and 12 cm. Find its area.	The adjacent sides of a parallelogram are 12 cm and 10 cm. One diagonal is 8 cm. Find the area of the parallelogram.	Diagonals of a kite are 12cm and 13 cm in length. Find the area of the kite
Recall/ Remembering	Understanding	Application
a) 50 cm <sup>2</sup>	a) 80 cm <sup>2</sup>	a) 73 cm <sup>2</sup>
b) 37 cm <sup>2</sup>	b) 79 cm <sup>2</sup>	b) 80 cm <sup>2</sup>
c) 45 cm <sup>2</sup>	c) 79.37 cm <sup>2</sup>	c) 70 cm <sup>2</sup>
d) 40 cm <sup>2</sup>	d) 78 cm <sup>2</sup>	d) 78 cm <sup>2</sup>
Ans: <c> 	Ans: <c> 	Ans: <d> 

Set 2: Question No 1	Set 2: Question No 2	Set 2: Question No 3
The two parallel sides of a trapezium measures 50 m & 20 m respectively. Its altitude is 50 m. Find its area.	The area of rectangle with one side 8 cm is $172 \text{ cm}^2$ . Find the length of the other side.	A park is 480 m long by 320m wide. It is decided to double its area retaining the rectangular shape by adding strips of equal width to one end and one side. Find the width of the strip.
Recall/ Remembering	Understanding	Application
a) $1650 \text{ m}^2$	a) 21.5 cm.	a) 156cm
b) $1700 \text{ m}^2$	b) 15.6 cm	b) 190cm
c) $1650 \text{ m}^2$	c) 27.1 cm	c)150cm
d) $1750 \text{ m}^2$	d) 10 cm	d) 160cm
Ans: <d> 	Ans: <a> 	Ans: <d>

**Assessment Type: Summative: End of CO: in LMS**

Summative: Q 1	Summative: Q 2	Summative: Q 3	Summative: Q 4	Summative: Q 5
Area of rhombus is $336\text{ cm}^2$ & one diagonal is 14 cm. Find the length of the side.	The two parallel sides of trapezium measures 58 m & 42 m respectively. The other two sides are equal each being 17 m. Find its area.	The shape of the top surface of a table is a trapezium. Find its area if its parallel sides are 1 m and 1.2 m and perpendicular distance between them is 0.8 m.	If sum of two parallel sides of a trapezium is 232 cm and its area is $928\text{ cm}^2$ . Find its altitude.	The area of a trapezium is $14950\text{ m}^2$ . One of its parallel side is 60 m. Its altitude is 230 m. find the longer side.
Recall/ Remembering	Understanding	Application	Understanding	Application
a) 26cm	a) $750\text{ m}^2$	a) $0.88\text{ m}^2$	a) 8.3 cm	a) 73 m
b) 24 cm	b) $700\text{ m}^2$	b) $0.90\text{ m}^2$	b) 8.5cm	b) 70m
c) 25 cm	c) $790\text{ m}^2$	c) $0.80\text{ m}^2$	c) 7 cm	c) 80 m
d) 23 cm	d) $760\text{ m}^2$	d) $0.75\text{ m}^2$	d) 8 cm	d) 78 m
Ans: <c>	Ans: <a>	Ans: <a>	Ans: <d>	Ans: <d>

**Assessment Type: Practice Worksheets: End of CO: in LMS/ downloadable PDF**

*If students have access to laptop/ desktop – they can answer it on LMS, else download it and answer it and file it for later use. They can also copy the question in their notebook in case the space provided is insufficient.*

1. Best suited for subjective questions.
2. Numerical problems
3. Short answer questions

<p><b>A. Question Space</b> Find the area of rhombus given that its side is 10 cm and one of its diagonal is 12 cm.</p> <p><b>Ans: 96 cm<sup>2</sup></b></p>	<p><b>B. Question Space</b> The two parallel sides of a trapezium measures 40 m and 26 m respectively. Its altitude is 17 m. Find its area.</p> <p><b>Ans: 561 m<sup>2</sup></b></p>
<p><b>A. Answer Space</b></p>	<p><b>B. Answer Space</b></p>

<p><b>C. Question Space</b>  The height of a trapezium is 4 cm .and its area is <math>30\text{ cm}^2</math>. If the greater of the two parallel sides is double the smaller side, find the lengths of parallel sides.</p> <p><b>Ans: 5 cm ; 10 cm</b></p>	<p><b>D. Question Space</b>  Find the edges of a rectangular solid whose volume is <math>210\text{cm}^3</math> , surface area is <math>214\text{cm}^2</math> and the area of base is <math>42\text{cm}^2</math>.</p>
<p><b>C. Answer Space</b></p>	<p><b>D. Answer Space</b></p>
<p><b>E. Question Space</b>  Find the area of rhombus if its side is 13 cm and one of its diagonal is 10 cm.</p> <p><b>Ans: <math>120\text{ cm}^2</math></b></p>	<p><b>F. Question Space</b>  Area of rhombus is <math>336\text{ cm}^2</math> &amp; one diagonal is 14 cm. Find the length of the side.</p> <p><b>Ans: 25 cm</b></p>

**E. Answer Space**

**F. Answer Space**

**G. Question Space**

In exchange for a square plot of land, one of whose side is 84 metres, a man want to buy a rectangular plot 144 metres wide and of the same area as the square plot. Determine the length of the rectangular plot.

**Ans: 49 meters**

**H. Question Space**

The area of a trapezium is  $14950 \text{ m}^2$ . One of its parallel side is 60 m. Its altitude is 230 m. find the longer side.

**Ans: 70 m**

**G. Answer Space**

**H. Answer Space**