Protocol for Sum of Interior angles of a triangle is equal to 180^0.

1. Open Geogebra applet.

2. Select slider tool (a=2) from the slider tool.

3. Click on the screen where you want to put the slider.

4. Set slider name = a, min.=2 , max. =4 and increment = 0.5 (in mobile step=0.5). Click on OK.

5. Click on line segment tool. Select line segment with given length.

6. Select any one point. Input length = a(Name of the slider).

7. Select the line. Right click on it and click on show object to hide line segment.

8. Click on the same point(First point)Input length = a(Name of the slider).

9. Click on move tool. Move the point C above or below as you want. Select the line. Right click on it and click on show object to hide line segment.

10. Click on polygon tool. Select polygon. Click on points A,B and C to make isosceles triangle.

11. Select angle tool. Click on middle of triangle ABC to label the angles of triangle.

12. Note the labels for ∠ A =α , ∠ B = β and ∠ C = γ .

13. From the slider tool(a=2) , Select ABC text for writing text.

14. Click on the screen where you want to type.

15. Text Command is **\text{**   ≫≫ **Use it to type.**

16. *Use\text{The Base angles of an isosceles triangle are equal.* *Keep it on the top.*

17. From the slider tool, select ABC text and write
\text{Base angles of an isosceles triangle = . *Keep this below the triangle.*

18. From the slider tool, select ABC text and write
\text{alt+Enter (☐ empty box) Type 'α' inside empty box from symbols ≫ Basic ≫α.
Repeat the process :
\text{ alt+Enter (☐ empty box) Type 'β ' inside empty box from symbols ≫ Basic ≫β .
\text{alt+Enter (☐ empty box) Type ' γ ' inside empty box from symbols ≫ Basic ≫ γ .

19. From the slider tool, select ABC text and write Conclusion.
\text{ Equal sides : AC = BC = alt+Enter (☐ empty box) type 'a' inside empty box.
\text{ Base = AB
Base angles : ∠ A = ∠ B = alt+Enter (☐ empty box) Type ' α or β ' inside empty box.

20. \text{ Conclusion : Base angles of isosceles triangle are equal. **Keep it below.**

21. For support :mail to **mahanthchaudhary@gmail.com** or contact: 9845916078