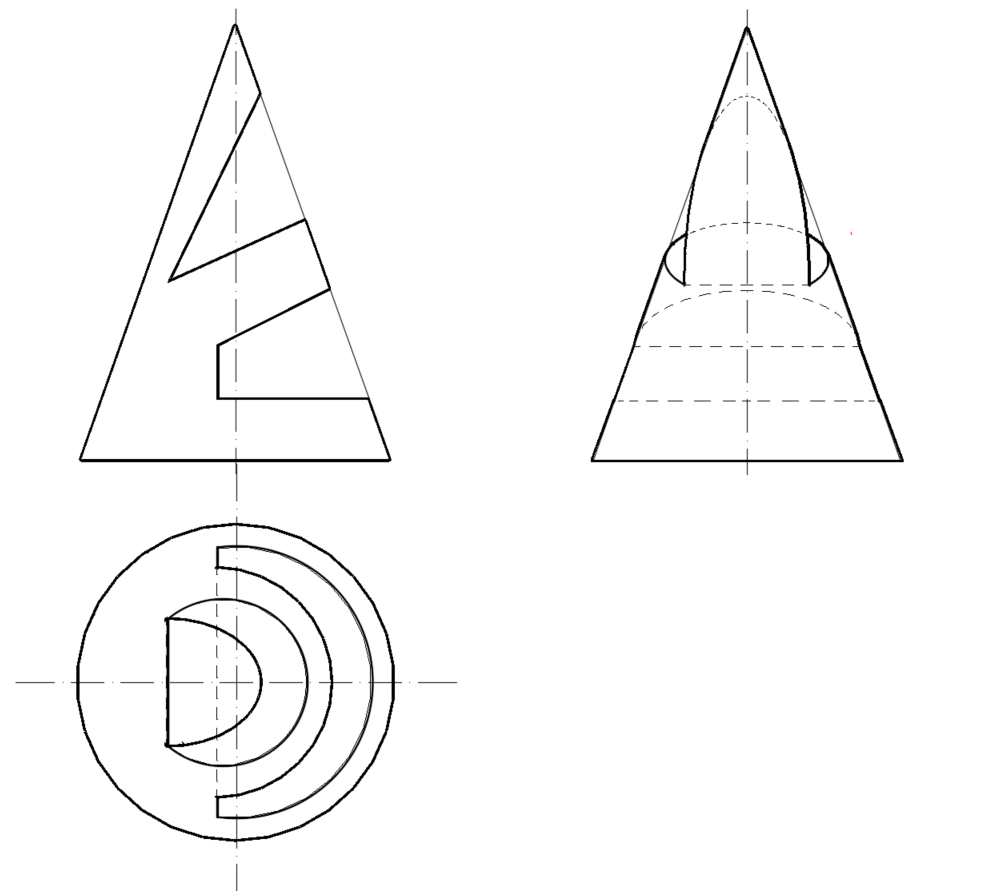
***Result:***

Frontal, horizontal and profile projections of the cone cut with 5 planes (A3 size, scale 1:1)



Answers to questions 1-4:

1. The planes β and γ are not mutually parallel, they intersect on the right side of the cone.
2. The planes γ and ε mutually intersect within the solid, so it would not break the cone’s outline.
3. Intersection of the planes α and ε also would not divide the solid, because they intersect within it.
4. Types of sections: α - ellipse, β - ellipse, γ - ellipse, δ – hyperbola, ε - circle.