

SOLUTIONS EXERCISES IV GEOMETRY

In this document, the final result of the proposed exercises is indicated so that the student can check their solutions, however, we emphasize the importance of the solving process that will be explained in the classroom for some of the exercises proposed.

Note: solutions can be affected by the decimals of π that are considered

1. a) 4.
b) triangular prism.
c) quadrilateral prism.
d) octagonal pyramid.
e) They are not possible.
f) The number of vertices is multiplied by 2, but not the number of faces.
g) 8.
2. 124.7 cm^2 .
3. 384 m^2 base and 6400 m^2 the walls.
4. 111.59 cm^2 .
5. 2,705,832 blocks. The lateral edge 216.62m
6. 117.81 cm^3 .
7. With the 1.5 l of water the level increases 4.77 cm. Therefore the Stone increases more than the water the level of water.
8. 80 hours.
9. 16.97m.
10. 310.82 u^2 .
11. 787.79cl.
12. 94.24 cm^2 .
13. 48.84 cm^2 .
14. 0.128 m^3 .