

COMMON SOLIDS TOPIC

KCSE QUICK REVISION

*Compilation of Possible Questions in Mathematics Likely to be examined in
KCSE.*

*A Special Analysis of Prediction Questions that may be Tested in KCSE from this
Topic in Form 1.*

MATHEMATICS

SERIES 1

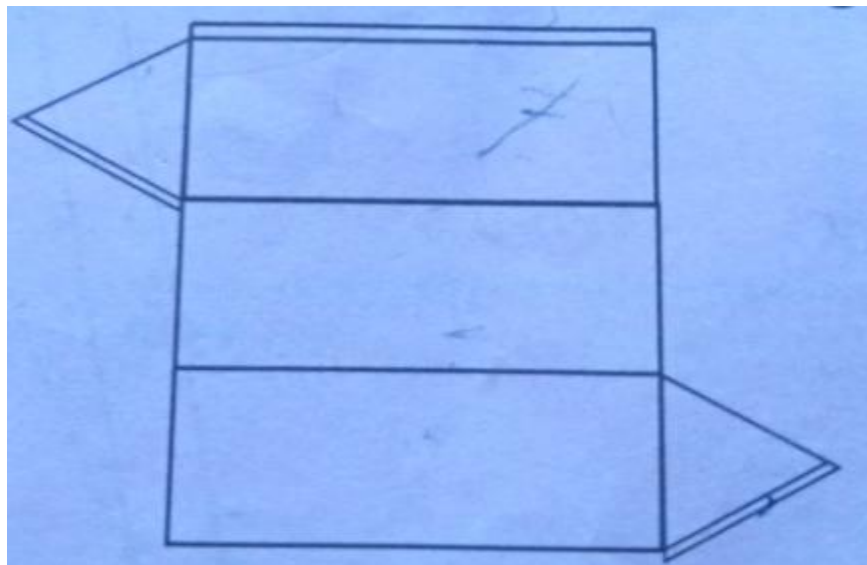
For Marking Schemes

Mr Isaboke 0746 222 000 / 0742 999 000

MWALIMU CONSULTANCY

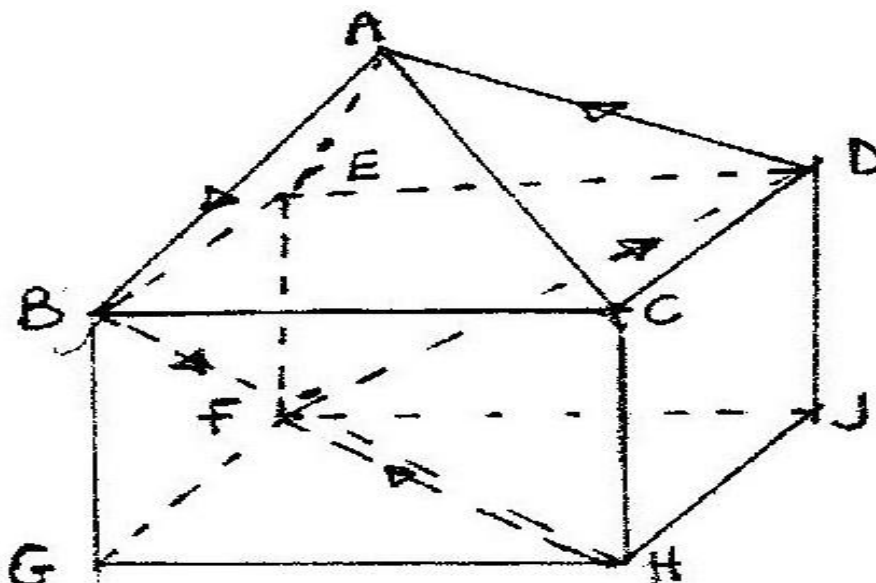
COMMON SOLIDS

1. The figure below shows a net of a prism whose cross - section is an equilateral triangle.



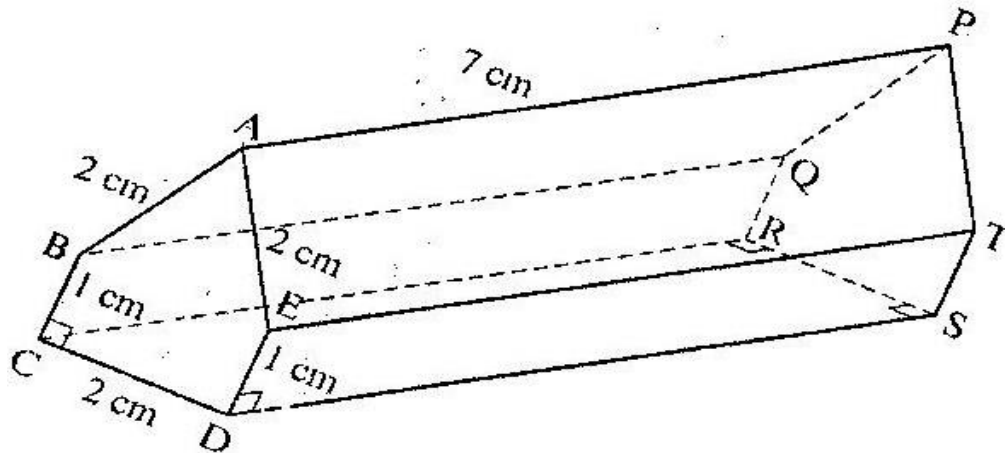
- a) Sketch the prism
- b) State the number of planes of symmetry of the prism.

2. The figure below represents a square based solid with a path marked on it.



Sketch and label the net of the solid.

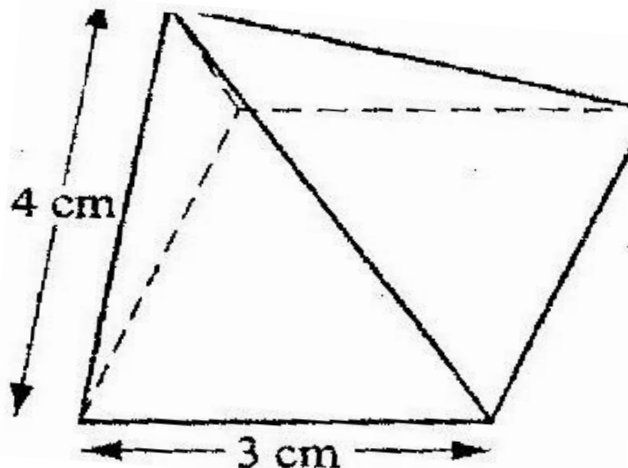
3. The figure below represents a prism of length 7 cm
 $AB = AE = CD = 2$ cm and $BC - ED = 1$ cm



Draw the net of the prism

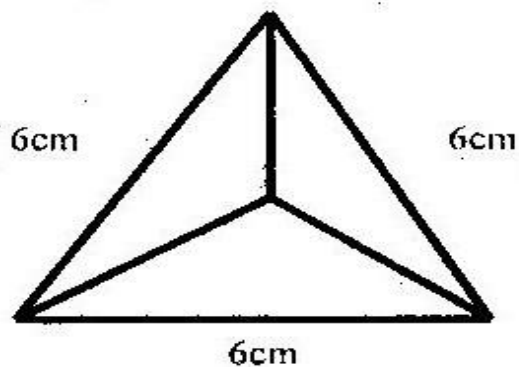
(3 marks)

4. The diagram below represents a right pyramid on a square base of side 3 cm. The slant of the pyramid is 4 cm.



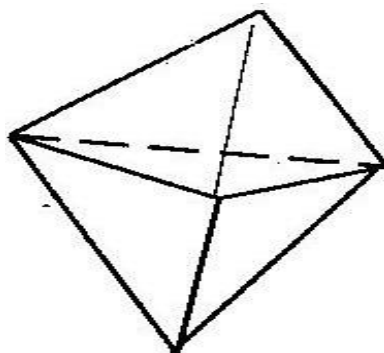
- (a) Draw a net of the pyramid **(2 marks)**
(b) On the net drawn, measure the height of a triangular face from the top of the Pyramid **(1 mark)**
5. (a) Draw a regular pentagon of side 4 cm **(1 mark)**
(b) On the diagram drawn, construct a circle which touches all the sides of the pentagon **(2 marks)**

6. The figure below shows a solid regular tetrahedron of sides 6 cm

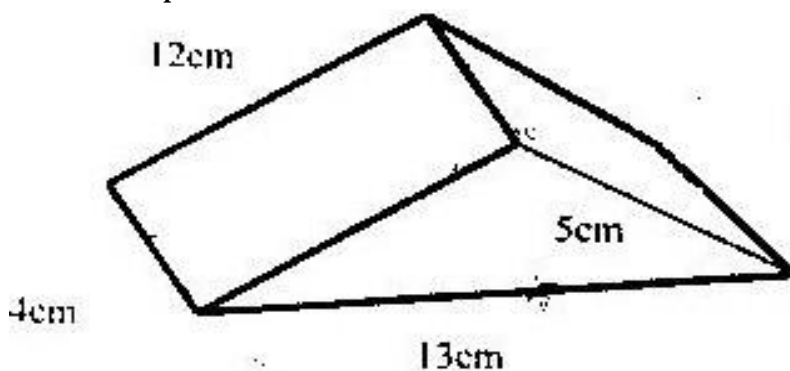


- (a) Draw a net of the solid
- (b) Find the surface area of the solid

7. The figure below shows a solid made by pasting two equal regular tetrahedra



- (a) Draw a net of the solid
 - (b) If each face is an equilateral triangle of side 5cm, find the surface area of the solid.
8. (a) Sketch the net of the prism shown below



- (b) Find the surface area of the solid

For Marking Schemes/Answers

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