

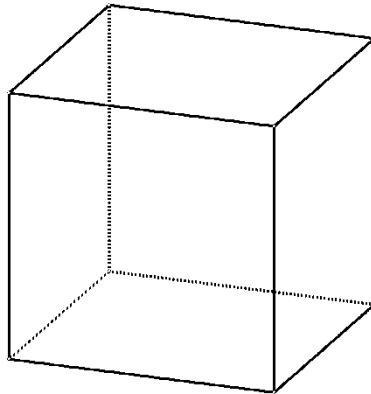
## Grade 7 Maths Worksheet

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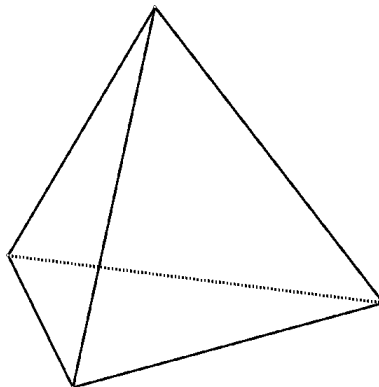
### Assessment Task: Constructing nets of polyhedra

#### Questions:

1. Make the construction of a net of a 3 cm unit cube using a compass and a pencil.



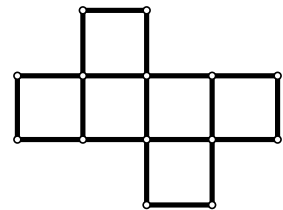
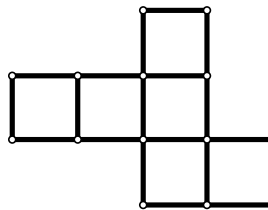
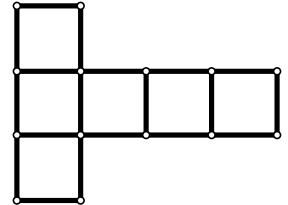
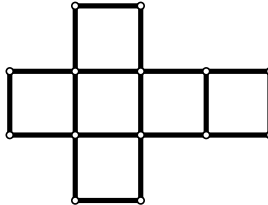
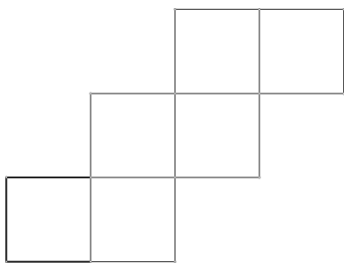
2. Make the construction of a net for any sized tetrahedron using a compass and a pencil.



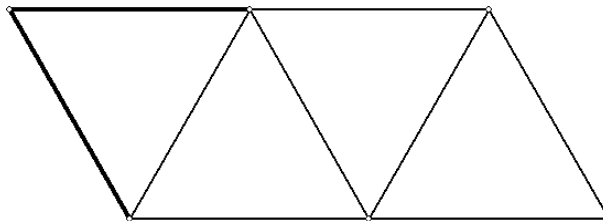
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### Solution

- It should be the different versions of a net for a cube. (Here are 5 versions). Correct dimensions should be 3cm lengths. All the angles should be 90 degrees by construction.



- Correct dimensions should be 3 cm lengths. All the angles of the triangle should be 60 degrees by construction.



This section focuses on the application of the initial constructions (learnt in a two dimensional context) as a series of constructions to create very accurate nets for the different solid objects.

### Appendix of Assignment Tools

Constructions

Visualisation

Defining