3055 BA SANGAM COLLEGE

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WORKSHEET 19 YEAR 09

SUBJECT: MATHEMATICS NAME OF STUDENT: _____

STRAND	*GEOMETRY*
SUB-STRAND	Application of Angle Properties and Construction
Content Learning Outcome	Show and state the axis of symmetries in a given regular polygon

LINE SYMMETRY

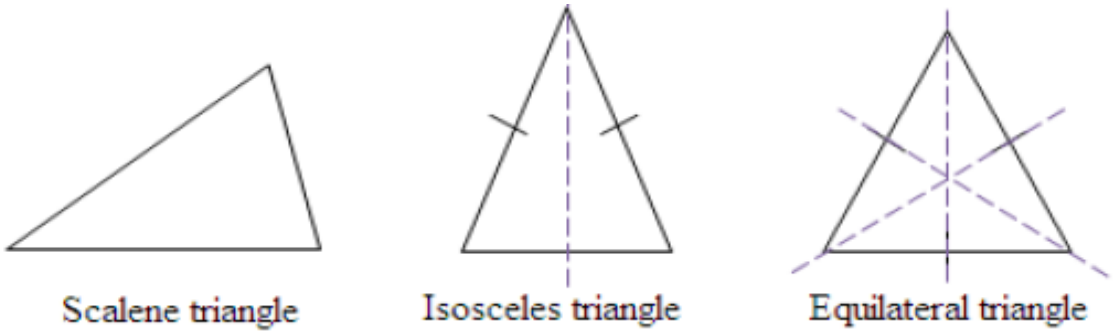
Objective:

1. Draw the number of axis of symmetry in the given shapes

A shape is symmetrical when it can be folded into exactly two halves. The line in which the paper is folded is known as the axis of symmetry or the mirror line. The two halves are of the same size and shape so they are identical.

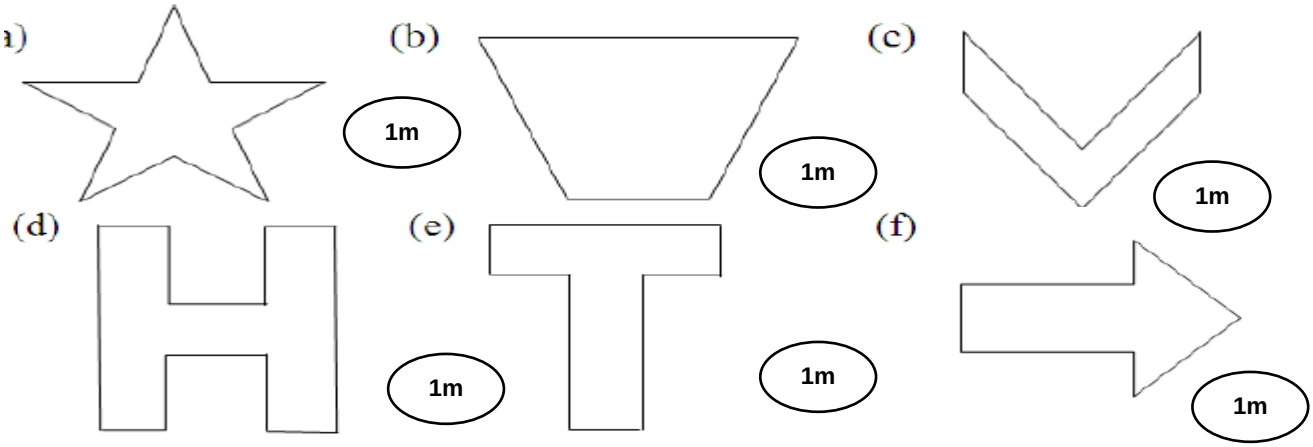
Example

Scalene triangle has no axis of symmetry since all the sides are different whereas.
Isosceles triangle has only one axis of symmetry since two sides are equal.
Equilateral triangle has three axes of symmetry since all the three sides are equal.



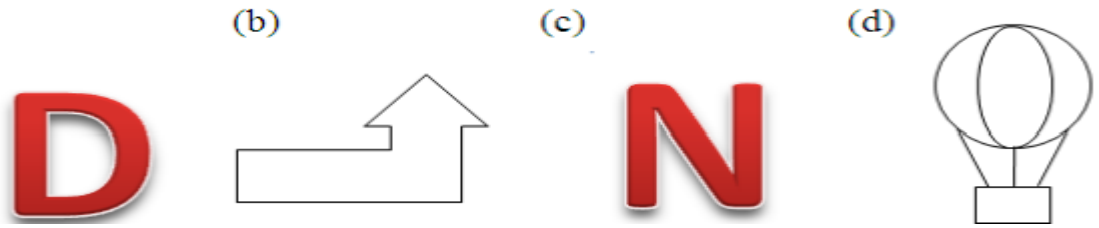
Exercise

1. Sketch the axes of symmetry of the following figures.



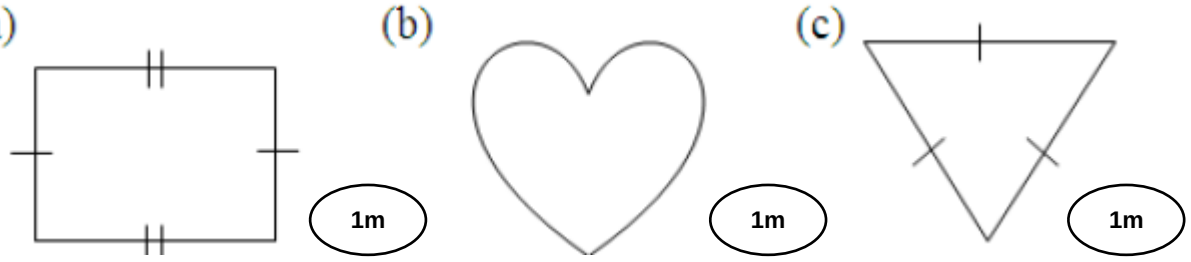
2. Which of these figures are symmetrical? **(1 mark each)**

(a) (b) (c) (d)



3. How many lines of symmetry could you draw on each diagram?

(a) (b) (c)



1m 1m 1m