1. Work out the value of all the angles marked with letters.
2. Using the angles you find work out how many isosceles triangles there are?

Complete the tables on the back with your answers


| Angle <br> Identifier | Value | Angle <br> Identifier | Value | Angle <br> Identifier | Value |
| :---: | :--- | :--- | :--- | :--- | :--- |
| a |  | b |  | c |  |
| d |  | e |  | f |  |
| g |  | h |  | l |  |
| j |  | k |  | L |  |
| m |  | n |  | o |  |
| p |  | q |  | r |  |
| s |  | w |  | u |  |
| v |  | z |  | x |  |
| y |  | cc |  | dd |  |
| bb |  | ff |  | gg |  |
| ee |  |  |  |  |  |

## In this polygon pattern there are

 isosceles triangles.Challenge question: Is an equilateral triangle also an Isoceles triangle: Yes or No

## Why? Explain your answer.

