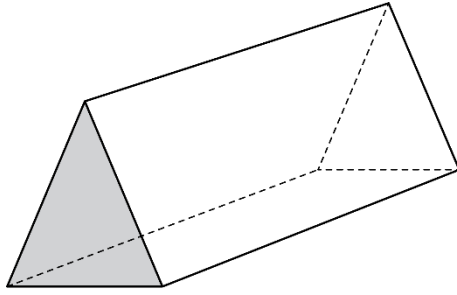
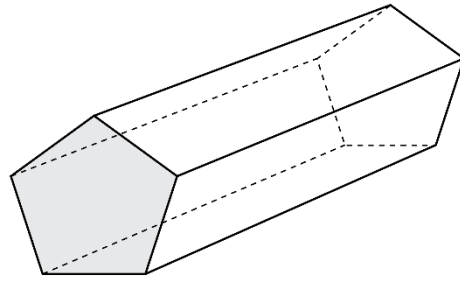


- 9 These prisms have different shapes as end faces.



Triangle



Pentagon

- (a) Complete this table.

Shape of end face	Number of faces	Number of edges	Number of vertices
Triangle (3 sides)	5	9	6
Rectangle (4 sides)	8
Pentagon (5 sides)	15	10
Hexagon (6 sides)	8	18

[2]

- (b) How many edges and vertices does a prism with a 100-sided end face have?

(b) edges

vertices

[2]

- (c) F is the number of faces in a prism.
 N is the number of sides of its end face.

Write down a formula connecting F and N .

(c) [2]