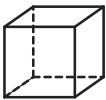
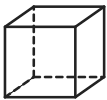
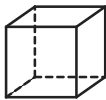
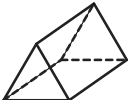
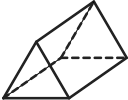
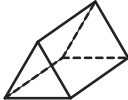
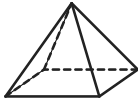
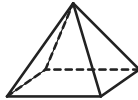
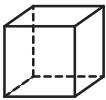
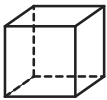
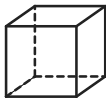
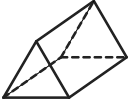
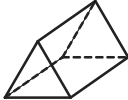
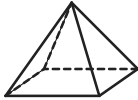
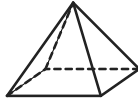


a How many faces?  <u>6</u> faces (all of them, not just those seen)	b How many edges?  <u>12</u> edges, the hidden ones too	c How many vertices?  <u>8</u> vertices (corners)	d Name this 3D shape  <u>triangular prism</u> naming a prism by its cross section
e How many faces?  <u>5</u> faces of a triangular prism	f How many edges?  <u>9</u> edges of a triangular prism	g How many faces?  <u>5</u> pyramid faces: the base counts	h How many edges?  <u>8</u> edges of a square based pyramid
i How many flat faces?  <u>2</u> cylinder: curved surface is not flat	j How many vertices?  <u>1</u> cone: the point is a vertex	k How many edges does a hexagonal prism have? <u>18</u> edges of any prism	l A prism has 7 faces. How many edges? <u>15</u> working back from the faces

The Maths Habit

a How many faces?  <u>6</u> faces (all of them, not just those seen)	b How many edges?  <u>12</u> edges, the hidden ones too	c How many vertices?  <u>8</u> vertices (corners)	d Name this 3D shape  <u>triangular prism</u> naming a prism by its cross section
e How many faces?  <u>5</u> faces of a triangular prism	f How many edges?  <u>9</u> edges of a triangular prism	g How many faces?  <u>5</u> pyramid faces: the base counts	h How many edges?  <u>8</u> edges of a square based pyramid
i How many flat faces?  <u>2</u> cylinder: curved surface is not flat	j How many vertices?  <u>1</u> cone: the point is a vertex	k How many edges does a hexagonal prism have? <u>18</u> edges of any prism	l A prism has 7 faces. How many edges? <u>15</u> working back from the faces

The Maths Habit