



# Polygons Answers

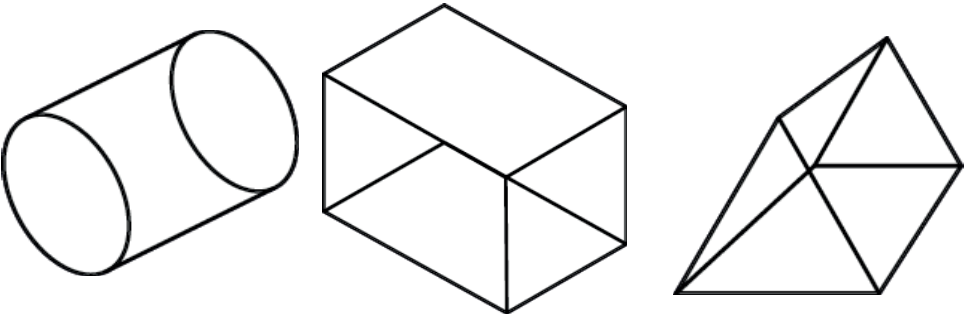
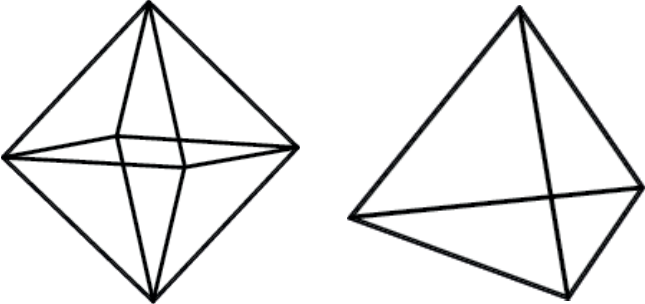
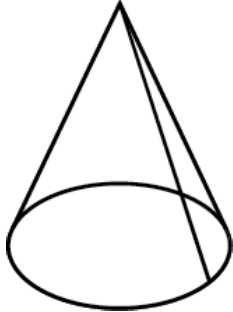
Cut out the 2D shapes and sort them into the correct place on the Carroll diagram.

	Has reflex angle	No reflex angle
No parallel sides		
Has parallel sides		



# Polygons **Answers**

Cut out the 2D shapes and sort them into the correct place on the Carroll diagram.

	Even number of vertices	Odd number of vertices
Is a prism		
Is not a prism		



# Polygons Answers

Fact: Angles in a triangles always total  $180^\circ$ .

Use the formula:

missing angle =  $180 - (b + c)$  to complete this table:

	Angle a	Angle b	Angle c
Triangle 1	$51^\circ$	$105^\circ$	$24^\circ$
Triangle 2	$80^\circ$	$45^\circ$	$55^\circ$
Triangle 3	$28^\circ$	$69^\circ$	$83^\circ$
Triangle 4	$40^\circ$	$15^\circ$	$125^\circ$

Fact: Angles in a quadrilateral always total  $360^\circ$ .

Use the formula:

missing angle =  $360 - (b + c + d)$  to complete this table:

	Angle a	Angle b	Angle c	Angle d
Quadrilateral 1	$96^\circ$	$82^\circ$	$134^\circ$	$48^\circ$
Quadrilateral 2	$218^\circ$	$38^\circ$	$48^\circ$	$56^\circ$
Quadrilateral 3	$121^\circ$	$140^\circ$	$23^\circ$	$76^\circ$
Quadrilateral 4	$176^\circ$	$22^\circ$	$95^\circ$	$67^\circ$