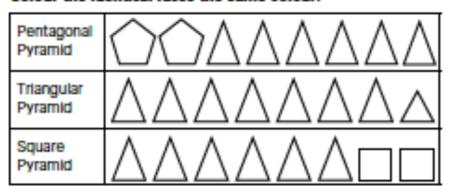
Name

Date

Colour the different faces that each shape has.
Colour the identical faces the same colour.



The pyramid of Khufu at Giza, is the largest Egyptian pyramid and is the only one of the Seven Wonders of the Ancient World still in existence.

Leonhard Euler was a brilliant Swiss mathematician. He discovered a relationship between the number of faces, vertices and edges on any polyhedron — a three-dimensional shape with flat sides. Euler found the number of faces + the number of vertices subtract 2 will give you the number of edges.

2 Test Leonhard Euler's formula on the following pyramids.

	3D Object	Name	Faces	Vertices	Faces + Vertices - 2=	Edges
a	∕					
b	<u></u>					
c	^					_
	4					

3	Can you use Euler's formula	to calculate how	many edges on	the following pyramids.

а	triangular pyramid		b heptagonal pyramid	c decagonal pyramid	
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