Faces, edges and vertices of 3-D shapes

Years 2 to 6. Use real shapes or pictures to count. Check: faces + vertices - edges should always be 2 for these shapes.

Name: _____ Date: _____

3-D shape	Faces	Edges	Vertices
Cube	6	12	8
Cuboid			
Square-based pyramid			
Triangular prism			
Tetrahedron (triangular-based pyramid)			
Pentagonal prism			
Hexagonal prism			
Pentagonal-based pyramid			

The first row is done for you. Faces are flat surfaces, edges are where two faces meet, vertices are corners.

Answer key: 3-D shapes

Answers to every question on page 1.

3-D shape	Faces	Edges	Vertices
Cube	6	12	8
Cuboid	**6**	**12**	**8**
Square-based pyramid	**5**	**8**	**5**
Triangular prism	**5**	**9**	**6**
Tetrahedron (triangular-based pyramid)	**4**	**6**	**4**
Pentagonal prism	**7**	**15**	**10**
Hexagonal prism	**8**	**18**	**12**
Pentagonal-based pyramid	**6**	**10**	**6**

The first row is done for you. Faces are flat surfaces, edges are where two faces meet, vertices are corners.