

Answers

Classify Prisms and Pyramids

Think and Grow

Example 4, 4, 6; 1 triangular, 3 triangular; triangular pyramid

Show and Grow

1. *Sample answer:* The figure has 6 faces, 8 vertices, and 12 edges. It has 2 rectangular bases and 4 rectangular lateral faces. It is a rectangular prism.
2. The figure has 7 faces, 10 vertices, and 15 edges. It has 2 pentagonal bases and 5 rectangular lateral faces. It is a pentagonal prism.

Practice

3. The figure has 5 faces, 6 vertices, and 9 edges. It has 2 triangular bases and 3 rectangular lateral faces. It is a triangular prism.
4. The figure has 6 faces, 6 vertices, and 10 edges. It has 1 pentagonal base and 5 triangular lateral faces. It is a pentagonal pyramid.
5. The figure has 7 faces, 7 vertices, and 12 edges. It has 1 hexagonal base and 6 triangular lateral faces. It is a hexagonal pyramid.
6. The figure has 10 faces, 16 vertices, and 24 edges. It has 2 octagonal bases and 8 rectangular lateral faces. It is an octagonal prism.
7. no; It has 5 faces, but only 4 are lateral faces and 1 is the base.
8. All; Some; Some; All
9. square pyramid 10. triangular prism